

1219
FILE NO:

1988 SUMMARY REPORT
ON THE
TREK 1-6 CLAIMS

Located in the Galore Creek area
Liard Mining Division
NTS 104G/3W
57° 03' North Latitude
131° 18' West Longitude

SUMMARY REPORT
RECEIVED
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M.R. # _____ S.
VANCOUVER, B.C.

-prepared for-
LORICA RESOURCES LTD.

-prepared by-
Henry J. Awmack, P.Eng.
Brian K. Yamamura, Geologist

November, 1988

18,115

GEOLOGICAL BRANCH
ASSESSMENT REPORT

1988 SUMMARY REPORT ON THE TREK 1-6 CLAIMS

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1.0 INTRODUCTION

The TREK 1-6 claims were staked in 1988 to cover favorable gold geochemistry on both sides of Sphaler Creek in the Liard Mining Division, approximately 160 kilometers northwest of Stewart in northwestern British Columbia (Figure 1). The TREK property was first explored by Kennco for its copper potential following the discovery of the Galore Creek copper-gold porphyry deposit ten kilometers to the northwest in 1955. Limited exploration by Teck Corp. in the early 1980's yielded a strong gold soil geochemical anomaly associated with a major northeasterly-trending fault structure. The discovery in 1987 of several major precious metals occurrences on the Trophy project of Continental Gold Corp., ten kilometers north of the TREK claims, has sparked renewed exploration interest throughout the Galore Creek area.

Preliminary exploration, consisting of geological mapping, prospecting, line-cutting, geochemistry and geophysics, was carried out over the TREK property from July to September of 1988. Equity Engineering Ltd. conducted this program for Lorica Resources Ltd. and has been retained to report on the results of the fieldwork. Geophysical surveys were carried out by S.J.V. Consultants Ltd., whose report is appended. G. H. Rayner & Associates Limited has been retained to provide an independent evaluation of the field data and set forth recommendations for future exploration.

2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claims (Figure 2) are owned by Pass Lake Resources Ltd.

PROPERTY LOCATION



LORICA RESOURCES LTD.

TREK 1-6 CLAIMS

PROPERTY LOCATION MAP

0 100 200 MILES
0 100 200 300 KILOMETRES

EQUITY ENGINEERING LTD.			
Drawn. J.W.	N.T.S. 104G/3W	Date. Oct. 1988	FIG. No. 1.

Claim Name	Record Number	No. of Units	Record Date	Expiry Year
TREK 1	4528	20	March 22, 1988	1989
TREK 2	4529	20	March 22, 1988	1989
TREK 3	4530	20	March 22, 1988	1989
TREK 4	4531	20	March 22, 1988	1989
TREK 5	4638	15	June 13, 1988	1989
TREK 6	Not yet granted	<u>16</u>	October 7, 1988	1989
		111		

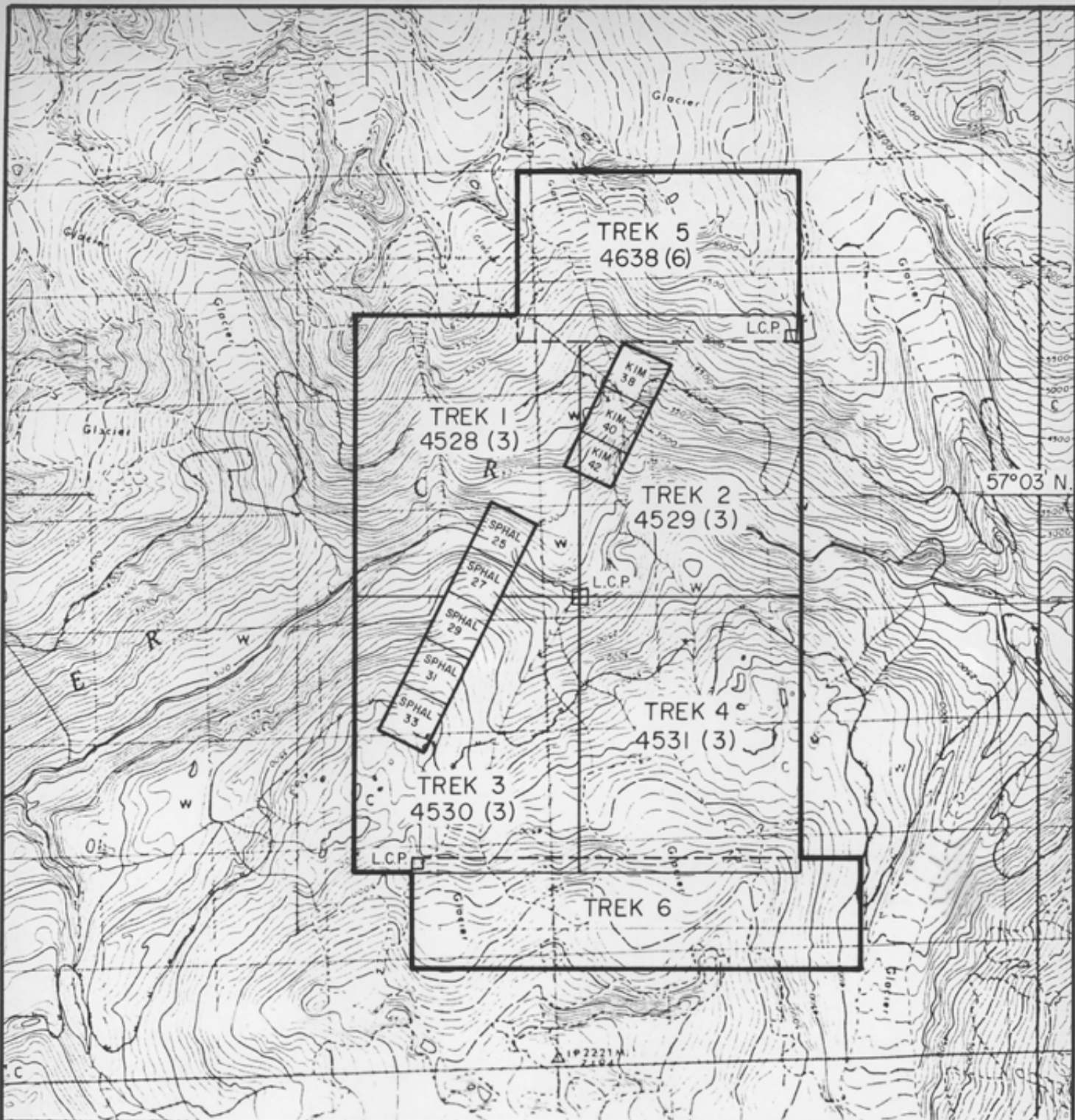
The TREK claims enclose eight two-post claims (the Kim 38, 40 & 42 and Sphal 25, 27, 29, 31 & 33 claims) held by Consolidated Silver Standard Mines Limited since the early 1970's. Their location has been taken from assessment reports filed by Kennco in 1963 and Teck Corp. in 1980 and 1981. Folk and Spilsbury (1980) show the location of one post which corresponds to Sphal 27 and Sphal 29. No posts for these claims were located during the 1988 exploration program.

The positions of the legal corner posts for the TREK 1-6 claims have been verified by field crews of Equity Engineering Ltd.

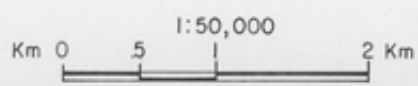
3.0 LOCATION, ACCESS AND GEOGRAPHY

The TREK 1-6 claims are located within the Coast Range Mountains approximately 160 kilometers northwest of Stewart and 110 kilometers south of Telegraph Creek in northwestern British Columbia (Figure 1). They lie within the Liard Mining Division, centered at 57° 03' north latitude and 131° 18' west longitude.

Access to the TREK property is provided by helicopter from the Scud River airstrip which is located approximately 40 kilometers to the northwest, or from the Bronson Creek airstrip which is located approximately 40 kilometers to the south.



56 57 131°20' 59 60 61 62 63 15' 64



LORICA RESOURCES LTD.			
TREK 1-6 CLAIMS			
CLAIM MAP			
LIARD MINING DIVISION, B.C.			
EQUITY ENGINEERING LTD.			
DRAWN. J.W.	PROJECT.	DATE. October, 1988	FIGURE 2

Fixed-wing aircraft fly charters from Dease Lake or Telegraph Creek to the Scud River airstrip and scheduled flights from Smithers to the Scud River airstrip via the Bronson Creek airstrip during the field season. On the Alaska side of the border, Wrangell lies approximately eighty kilometers to the southwest, and provides a full range of services and supplies, including a major commercial airport. The Stikine River has been navigated by 100-ton barges upriver as far as Telegraph Creek, allowing economical transportation of heavy machinery and fuel to within thirty kilometers of the property. Throughout the 1988 field season, a helicopter was stationed in Continental Gold Corp.'s camp approximately fifteen kilometers north of the TREK property.

The TREK 1-6 claims straddle Sphaler Creek, approximately fifteen kilometers above its confluence with the Porcupine River (Figure 2). Topography is rugged, typical of mountainous and glaciated terrain, with elevations ranging from 500 meters in the Sphaler Creek canyon to over 2000 meters on the northern boundary of the claim group. Sphaler Creek forms a deeply-incised canyon through much of the property. Tongues of valley glaciers descend to the 1200 meter contour line.

Lower slopes are covered by a dense growth of hemlock and spruce with an undergrowth of devil's club and huckleberry. Steeper open slopes are covered by dense slide alder growth. Above treeline, which occurs at approximately 1200 meters on south-facing slopes and 1050 meters on north-facing slopes, more open alpine vegetation occurs. Both summer and winter temperatures are moderate although annual rainfall may exceed 200 centimeters and several meters of snow commonly fall at higher elevations.

4.0 PROPERTY MINING HISTORY

4.1 Previous Work

Kennco explored the TREK property for its copper potential following the discovery of the Galore Creek copper-gold porphyry deposit in 1955. They conducted geological mapping, hand-trenching and copper stream geochemistry over most of what are now the TREK 1-6 claims and identified six mineralized zones associated with monzonitic stocks and plugs. Assessment work filed by them omits all assays and trench results (Rayner, 1964). During 1970, 1600 feet of AQ core was drilled in seven holes, but no further information is available.

Consolidated Silver Standard Mines Limited acquired the ground in the early 1970's. Teck, under an option agreement with Silver Standard, conducted a magnetometer survey, soil geochemistry, hand-trenching and geological mapping in 1980 and 1981. The soil grid yielded twenty-five samples with greater than 100 parts per billion gold, but only limited follow-up work was done (Folk and Spilsbury, 1980; Folk, 1981). The majority of the Silver Standard claims were subsequently allowed to lapse, including those underlying the bulk of their gold soil geochemical anomaly. Silver Standard has maintained eight claims which cover four of the six copper zones described by Rayner (1964), and the sites of the 1970 drilling.

4.2 1988 Work Program

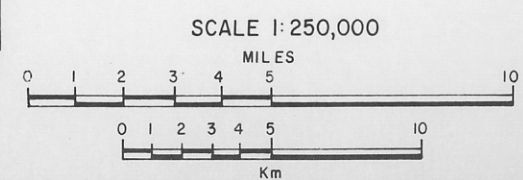
During July, August and September of 1988, Lorica Resources Ltd. carried out a preliminary exploration program on the TREK 1-5 claims, consisting of geological mapping, prospecting, stream sediment geochemistry, soil geochemistry, line-cutting and geophysical surveys. This program was targeted at gold-rich

LEGEND

- QUATERNARY**
PLEISTOCENE AND RECENT
 29 Fluvialite gravel; sand, silt; glacial outwash, till, alpine moraine and colluvium
- CRETACEOUS AND TERTIARY**
UPPER CRETACEOUS AND LOWER TERTIARY
SUSTUT GROUP
 19 Medium-to coarse-grained, pink biotite-hornblende quartz monzonite
- JURASSIC AND/OR CRETACEOUS**
POST-UPPER TRIASSIC PRE-TERTIARY
 17 Granodiorite, quartz diorite; minor diorite, leucogranite and migmatite
- JURASSIC**
LOWER JURASSIC
 13 Conglomerate, polymictic conglomerate; granite-boulder conglomerate, grit, greywacke, siltstone; basaltic and andesitic volcanic rocks, peperites, pillow-breccia and derived volcanoclastic rocks
- TRIASSIC AND JURASSIC**
POST-UPPER TRIASSIC PRE-LOWER JURASSIC
 12 Syenite, orthoclase porphyry, monzonite, pyroxenite
- HICKMAN BATHOLITH**
 10, 11 Hornblende granodiorite, minor hornblende-quartz diorite 11. Hornblende, quartz diorite, hornblende-pyroxene diorite, amphibolite and pyroxene-bearing amphibolite
- TRIASSIC**
UPPER TRIASSIC
 9 Undifferentiated volcanic and sedimentary rocks (units 5 to 8 inclusive)
 8 Augite-andesite flows, pyroclastic rocks, derived volcanoclastic rocks and related subvolcanic intrusions; minor greywacke, siltstone and polymictic conglomerate
- PERMIAN**
MIDDLE AND UPPER PERMIAN
 3 Limestone, thick-bedded mainly bioclastic limestone; minor siltstone, chert and tuff
- PERMIAN AND OLDER**
 2 Phyllite, argillaceous quartzite, quartz-sericite schist, chlorite schist, greenstone, minor chert, schistose tuff and limestone
 8 Amphibolite, amphibolite gneiss; age unknown probably pre-Upper Jurassic
- Geological boundary (defined and approximate, assumed)
 Bedding (horizontal, inclined, vertical, overturned) + / x
 Anticline
 Syncline
 Fault (defined and approximate, assumed)
 Thrust fault, teeth on hanging-wall side (defined and approximate, assumed)
 Fossil locality P
 Mineral property 15x
 Glacier



TREK 1-6 CLAIMS



LORICA RESOURCES LTD.

TREK 1-6 CLAIMS

REGIONAL GEOLOGY

LIARD MINING DIVISION, B.C.
 N.T.S. 104 G/3W & 4 E

EQUITY ENGINEERING LTD.

DRAWN. J. W.	PROJECT PLJ88-01	DATE October, 1988	FIGURE 3
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57°00'
132°00'

mesothermal base metal veins similar to those occurring in similar geological environments to the south in the Iskut River, Sulphurets and Stewart mining districts.

During the course of this program, 9 stream sediment samples, 430 soil samples and 152 rock samples were taken. Stream sediment samples were taken from the active parts of major drainages, screened underwater in the field to minus 40 mesh, then pulverised in the laboratory and analysed geochemically for gold and 32-element ICP (Figure 5).

A grid, designed to define Teck's soil geochemical anomaly and test 1700 meters strike length of the major northeasterly trending fault zone, was flagged on the west side of TREK Creek using hipchain and compass from a cut baseline oriented at 030°. By accident, five 25-meter intervals separate soil lines 2+00N and 3+00N. This mistake was caught by the geophysical crew, who renumbered lines 3+00N to 5+75N as 3+25N to 6+00N. Soil samples were taken at twenty-five meter intervals along grid lines spaced one hundred meters apart. In addition, eight contour soil lines were run on the east side of TREK Creek at fifty meter contour intervals. Wherever possible, soil samples were taken from the red-brown B horizon. Samples were sieved to minus 80 mesh in the laboratory and analysed geochemically for gold, silver, copper, molybdenum, lead, zinc, arsenic and antimony (Figures 7-11).

Geological mapping and prospecting were mainly confined to the southwest quadrant of the property on both sides of TREK Creek, using a topographic orthophoto at a scale of 1:5,000 as a base (Figures 4-6). Rock samples, described in Appendix C, were taken from zones of alteration and mineralization and analysed geochemically for gold and 32-element ICP. Twenty-seven rock samples returning geochemical values in excess of 2500 parts per billion gold or 100 parts per million silver were fire assayed for gold, silver and any significant base metals. Analytical

certificates are attached in Appendix D.

VLF-EM and magnetometer surveys were carried out over the TREK soil grid by S. J. V. Consultants Ltd. Their report, specifying equipment and procedures, and providing an interpretation of the data (Ashenhurst and Visser, 1988) is attached in Appendix G. Due to technical difficulties, the magnetometer survey did not cover the entire grid.

5.0 REGIONAL GEOLOGY

The Galore Creek area lies on the western margin of the Intermontane Belt within the Stikine Arch near its contact with the Coast Plutonic Complex (Figure 3). A sequence of Paleozoic to middle Triassic oceanic sediments is unconformably overlain by Upper Triassic Hazelton Group island arc volcanics and sediments. These have been intruded by Upper Triassic to Lower Jurassic syenitic stocks and by Jurassic to Lower Cretaceous quartz diorite and granodiorite plutons of the Coast Plutonic Complex.

The oldest rock assemblage in the Galore Creek area consists of Permian bioclastic limestone (Unit 3) overlying metamorphosed sediments and volcanics (Unit 2) and crinoidal limestone (Unit 1).

Unconformably overlying the Permian limestone unit are Upper Triassic Hazelton Group island arc volcanics and sediments (Units 5 through 8). In the Galore Creek area, Souther (1971) grouped these volcanic and sedimentary members in Unit 9, noting however that it was composed predominantly of augite andesite breccia, conglomerate and volcanic sandstone. The Paydirt gold deposit, located fifteen kilometers west of the TREK property, contains 185,000 tonnes of drill-indicated reserves grading 4.11 grams gold per tonne, hosted within silicified, sericitized and

pyritized Upper Triassic andesitic tuffs (Holtby, 1985). This Upper Triassic volcanosedimentary package is also correlative with that which hosts the SNIP and Stonehouse gold deposits of the Iskut River district approximately 45 kilometers to the south.

Synvolcanic syenite and orthoclase porphyry stocks (Unit 12), dated as Late Triassic to Early Jurassic by Souther (1971), intrude all older stratified rocks. The Galore Creek copper-gold porphyry deposit, whose Central Zone hosts reserves of 125 million tonnes grading 1.06% copper and 400 ppb gold (Allen et. al., 1976), is hosted by Upper Triassic volcanics intruded by syenitic stocks.

Jurassic and Cretaceous granodiorite to quartz diorite batholiths (Unit 17) of the Coast Plutonic Complex intrude all older lithologies. Small, tabular, Cretaceous to Tertiary, porphyritic felsites (Unit 20), thought to be subvolcanic in origin, have been mapped by Souther (1971) on the TREK property and throughout the More Creek area to the east.

6.0 PROPERTY GEOLOGY, GEOCHEMISTRY AND GEOPHYSICS

6.1 Geology

The TREK property is largely underlain by a sequence of Upper Triassic andesitic flows and volcanoclastics (Unit 8). Over the grid area, on the west side of TREK Creek (Figure 4), the lithologies are generally confined to a crystal-rich tuff and augite porphyry flow. At the south end of the grid, a volcanic breccia unit occurs, but andesitic flows become more prevalent again further to the south. East of TREK Creek, similar volcanoclastic rocks occur, with sedimentary clastic rocks (Unit 5) becoming dominant further east. The Upper Triassic volcanics

and sediments have been intruded by synvolcanic diorite and quartz monzonite plugs and by Cretaceous granodiorite on the southern border of the property.

The most dominant unit in the southwestern quadrant of the TREK property, underlying much of the grid area, is a crystal tuff (Unit 8A). This rock is generally a dark-green, fine grained aggregate of subhedral to euhedral plagioclase and pyroxene crystals in a tuffaceous groundmass. The crystal tuff may contain small, rounded clasts averaging two to three centimeters across and locally grades into a volcanic conglomerate characterized by a greater abundance of rounded fragments. Most of the clasts are fine to medium grained andesites and probably originated in flow units. Frequently, the composition of these fragments is so close to that of the matrix that differentiating between them is very difficult, especially where the rock has been altered. In one locality, intrusive clasts of syenitic to monzonitic composition were noted. As well, it was not uncommon to see angular epidote and calcite clasts representative of disaggregated vein material. Overall, the abundance of clasts in the crystal-rich tuff appears quite low although this may reflect difficulty in distinguishing them. Minor variation exists in the nature of the tuff, which locally grades into a very coarse greywacke (Unit 5B) or displays a range of crystal fragment sizes.

The other major rock unit found over the grid is an augite porphyry (Unit 8D). It may represent a subvolcanic intrusive rock or an andesitic flow and is easily distinguished by the presence of abundant augite phenocrysts, two to three millimeters in size, set in a much finer grained to aphanitic groundmass. These augite crystals are generally slightly more resistant to weathering and therefore easily visible on the weathered surface. Overall, the chemical composition of this unit is quite similar to that of the crystal tuff. With moderate to strong chlorite

alteration, it becomes difficult to distinguish the two rock types.

The volcanic breccia (Unit 8B) is clearly distinctive from the crystal tuff and volcanic conglomerate and was mapped only in the southernmost part of the grid. A dark green, very fine grained to aphanitic matrix contains an abundance of subangular andesitic and coarse-grained feldspar porphyry fragments up to thirty centimeters across. In the area of the Camp Zone, this breccia unit is not only mineralized but also hornfelsed. A similar breccia unit also hosts the East Zone sulphide mineralization.

In the southern part of the grid area, a distinctive unit of chloritized porphyritic basalt (Unit 8C) contains silica amygdules up to 1.5 centimeters across and abundant plagioclase phenocrysts. Rayner (1964) notes that basaltic dykes occur on the TREK property. These may represent feeder dykes for the flows.

The volcanic units were further subdivided on the basis of alteration and mineralization. Rock containing a dense stockwork of epidote and/or calcite plus quartz veinlets was denoted as Unit 8Av or Unit 8Dv. Strongly chloritized and/or epidotized rock types include Units 8Aa, 8Da, 8Ba and 8Ca. Rock types with disseminated pyrite + chalcopyrite ± arsenopyrite ± sphalerite ± galena mineralization were denoted as Units 8Am, 8Dm and 8Bm. Hornfelsed volcanics include Units 8Ah, 8Bh, 8Ch and 8Dh.

Upper Triassic sedimentary rocks occur mainly in the southeastern part of the claim group. Polymictic conglomerates containing limestone clasts occur with an interbedded sequence of maroon shales and siltstones (Unit 5A).

Bedding contacts were not often observed in the course of

mapping, although in the southwestern corner the contact between the volcanic conglomerate and an andesite flow indicated a northerly strike with a moderately steep dip to the west. This concurs with the observations noted by Rayner (1964).

At the Heel Zone, a small dioritic plug (Unit 12D) has hornfelsed the surrounding volcanics. This medium grained rock consists largely of interlocking plagioclase and pyroxene crystals and may represent the subvolcanic equivalent of some of the andesitic flows. Another stock, mainly exposed to the west of the grid on the Silver Standard claims, consists of medium to fine grained quartz monzonite (Unit 12M), associated with porphyry-style chalcopyrite and molybdenite mineralization. Folk (1981) mapped other smaller plugs and dykes of this intrusive over the southwestern quadrant of the TREK property, but such bodies were found to be insignificant over the grid area. Some of these previously mapped dykes may have been bleached (i.e. sericitized and silicified) volcanics adjacent to small shears.

A large granodiorite intrusion (Unit 17), largely covered by snow and ice, occurs on the southern boundary of the TREK claim group. Large subangular boulders of this unit are abundant in the glacial moraine. This medium grained granodiorite, which contains abundant small mafic xenoliths, is cut by feldspathic phases and quartz veins containing rare molybdenite.

The dominant structural feature on the TREK claims is the major fault zone which trends 030° through the center of the property, dislocating Sphaler Creek by approximately 1200 meters left-laterally. This fault zone forms a prominent topographic linear defined by TREK Creek and North Creek which can be traced for five kilometers before disappearing under glaciers on either end. Associated with this shear zone are numerous smaller shears which trend approximately parallel or perpendicular to the main lineament or at a 30° angle to it. The parallel shears are

dominant over the grid area, as reflected in the orientation of several narrow gullies. The volcanoclastics adjacent to these structures are distinguished by strong chlorite \pm epidote alteration and a high degree of fracturing. These shears may be associated with the occurrence of mineralization.

A number of ravines east of the main TREK Creek fault zone are oriented at about 140°. The shears responsible for the orientation of these creeks would appear to form part of the perpendicular shear system. Another set of structures trend approximately 060° but do not generally manifest themselves in the form of topographic features such as gullies. Quartz-sulphide veins, apparently related to the 060° shears, crosscut the northwesterly trending gullies and can be traced along strike for several hundred meters. The rock hosting these shears varies from a volcanic breccia to shale, siltstone and sedimentary conglomerate. The difference in rock types and competency between the eastern and western sides of the main TREK Creek fault zone may account for the obvious lack of such large scale secondary lineaments to the west.

6.2 Geochemistry

During the regional geochemical sampling of the Telegraph Creek map sheet conducted by the British Columbia Geological Survey during 1987 (GSC Open File 1646, 1988), five silt samples were taken from streams which drain the TREK property. Three of these returned gold values above the 80th percentile for all samples taken in the Telegraph Creek mapsheet, with values of 15, 16 and 31 parts per billion gold (Figure 5).

Nine stream sediment samples, screened underwater to minus 40 mesh in the field, were taken from some of the major drainages of the TREK property during the course of the 1988 exploration program (Figure 5). Of these, four samples returned values

greater than 100 parts per billion gold, including one with 2500 ppb gold taken from a stream on the north side of Sphaler Creek which drains the TREK 2 claim and Silver Standard's Kim 42 claim. This sample may reflect the presence of Silver Standard's North Zone. Another sample, from the creek which drains the northern end of the TREK fault zone on the TREK 2 claim, contained anomalous values of 1.0 ppm silver, 405 ppm copper and 96 ppm lead along with 60 ppb gold. This was taken downstream from the Northeast Zone, which was not examined during the 1988 program. Sample TRHS-8, with 275 parts per billion gold, tests TREK Creek below the Toe Zone.

Statistical analysis of the soil geochemical results shows positively skewed lognormal cumulative probability plots with two populations for each of gold, silver, copper, lead and zinc (Appendix E). No statistical analysis was performed for arsenic, molybdenum and antimony, due to their generally low values. For lead and zinc, the inflection point between the two populations occurs near the median value, and the two populations may represent different background values for volcanic and sedimentary rocks. The inflection points for copper, silver and gold occur between one and two standard deviations above the median value, indicating that the second, more anomalous, population may reflect the presence of discrete copper-silver-gold mineralization. Table 6.2.1 presents the values considered to be background, possibly anomalous and probably anomalous for each element. In each case, these correspond to the median, median plus one standard deviation (83.5 percentile) and median plus two standard deviation (97.5 percentile) points for the lower population.

TABLE 6.2.1

SOIL GEOCHEMICAL ANOMALY VALUES

<u>ELEMENT</u>	<u>BACKGROUND</u>	<u>POSSIBLY ANOMALOUS</u>	<u>PROBABLY ANOMALOUS</u>
Gold	9 ppb	29 ppb	95 ppb
Silver	0.3 ppm	0.8 ppm	2.2 ppm
Copper	35 ppm	125 ppm	450 ppm
Lead	9 ppm	19 ppm	40 ppm
Zinc	55 ppm	81 ppm	125 ppm

The 1980 soil geochemical sampling by Teck outlined a gold soil anomaly covering an area 900 meters long by 200 meters wide, with twenty-five soil samples containing more than 100 ppb gold. Silver and copper anomalies coincident with the gold anomaly contained up to 13.0 ppm silver and 6500 ppm copper (Folk and Spilsbury, 1980). Geochemical results from the 1988 soil grid partially confirmed the Teck results. The Teck anomaly corresponds to the high gold values grouped from line 11+00 S to line 13+00 S, and probably extended further south and west. These high gold values are not from well-developed soils, but are due to rock fines related to mineralization from the Heel Zone. Anomalous copper values, up to 8660 parts per million, coincide closely with the anomalous gold values in the area of the Heel Zone.

The strongest geochemical anomaly yielded by the 1988 soil grid contains the four highest gold values (685, 700, 1190, and 1920 ppb gold) returned during 1988 from soils. These are aligned at 040° on lines 2+00N to 5+00N, and the anomaly remains untested to the north. Strong copper, silver, and molybdenum anomalies, with values up to 1180 ppm copper, 3.7 ppm silver and 206 ppm molybdenum, are coincident with the highly anomalous gold geochemistry. This strong multi-element soil geochemical anomaly undoubtedly reflects the presence of the Gully Zone, which was discovered immediately upslope from grid location 3+00N 1+25E (1190 ppb gold, 300 ppm copper, 0.7 ppm silver).

Zinc, lead, silver and copper show generally higher background values on the east side of TREK Creek. This may be partially due to the greater abundance of sedimentary rocks there. In part, however, it must reflect the presence of significant copper-lead-zinc-silver-gold mineralization in the Toe Zone and may reflect the southwestern extension of the East Zone vein systems. In particular, no adequate source within the Toe Zone has yet been found for sample 2+00 on the 1100 meter soil contour line, which contained 360 ppb gold, 59.0 ppm silver, 188 ppm lead, 125 ppm arsenic, 48.0 ppm antimony and 430 ppm copper. The sample twenty-five meters further east along the same contour line returned values of 45 ppb gold, 7.6 ppm silver, 278 ppm lead, 3960 ppm zinc and elevated antimony, arsenic and copper.

A large area of elevated gold, lead, zinc and silver values occurs over the western two hundred meters of the contour soil lines at the 850 meter, 900 meter and 950 meter elevations. No source has been found for this anomaly, but it may reflect a southwesterly extension of East Zone mineralization or may be due to undiscovered mineralization. Of special interest are:

- a) 900m 2+00: 105 ppb gold, 550 ppm lead, 690 ppm zinc, 5.1 ppm silver, 4.2 ppm antimony;
- b) 950m 2+25: 65 ppb gold, 120 ppm lead, 590 ppm zinc, 1.9 ppm silver, 297 ppm copper.

6.3 Geophysics

The procedures, data and interpretation of the VLF-EM and magnetometer surveys conducted over the soil grid are attached in Appendix G (Ashenurst and Visser, 1988). The VLF-EM survey identified a strong conductor, referred to as Anomalies A1 and A2, which overlies the Gully Zone where exposed at 3+00N 1+25E and coincides with the strong geochemical anomalies on lines 3+00N and 4+00N. Conductor B occurs immediately south of these

conductors and exhibits an "EM signature similar in intensity, although weaker, and appearance" to Anomaly A2. This conductor coincides with the soil geochemical anomaly at 2+00N 0+50E, and appears to represent the southward continuation of the Gully Zone. Further south, where magnetic data becomes available, Ashenhurst and Visser (1988) note that "as the conductor weakens in intensity to the south, it becomes closely associated with a high magnetic unit." The Gully Zone, composed of massive pyrrhotite-chalcopyrite, should exhibit a strong magnetic response. The combined strike length of the A1, A2 and B geophysical anomalies is approximately 800 meters.

The VLF-EM survey identified a second, weaker conductor parallel to the Gully Zone but fifteen to twenty meters to the east, which may be due to a change in lithology or topographic effects. In addition, Ashenhurst and Visser suggest that Anomaly B may lie along a lithological contact between higher magnetic intensity volcanics to the east and lower magnetic intensity sediments to the west.

Anomaly E, a poorly-defined northwesterly-trending magnetic high combined with a very weak conductor, is attributed by Ashenhurst and Visser to lithological contacts, but they recommended expansion of geophysical coverage to the south and west to further define this anomaly. Heel Zone mineralization discovered in this area occurs in quartz veins and massive sulphide pods related to a small diorite plug.

7.0 MINERALIZATION

Several new precious metal occurrences were discovered during the 1988 field season south of Sphaler Creek. The most significant of these have been named the Gully, Heel, Toe and East Zones.

The Gully Zone is a steeply-dipping body of massive pyrrhotite and chalcopyrite with lesser pyrite and magnetite, exposed in a steep northeasterly trending ravine located at 3+00N 1+25E on the soil grid (Figure 5). The mineralization can be traced in rubble for the entire 75 meter inclined length of the gully with an apparent width up to 3.5 meters (Figure 12). Geochemical and geophysical surveys suggest that it may continue for at least 200 meters to the north and 100 meters to the south. Sample #245034, taken along strike from a five-meter highly-sheared creek exposure 240 meters north of the Gully Zone, contained 1960 ppb gold with 1835 ppm zinc. Sampling results from the Gully Zone itself are summarized in Table 7.0.1.

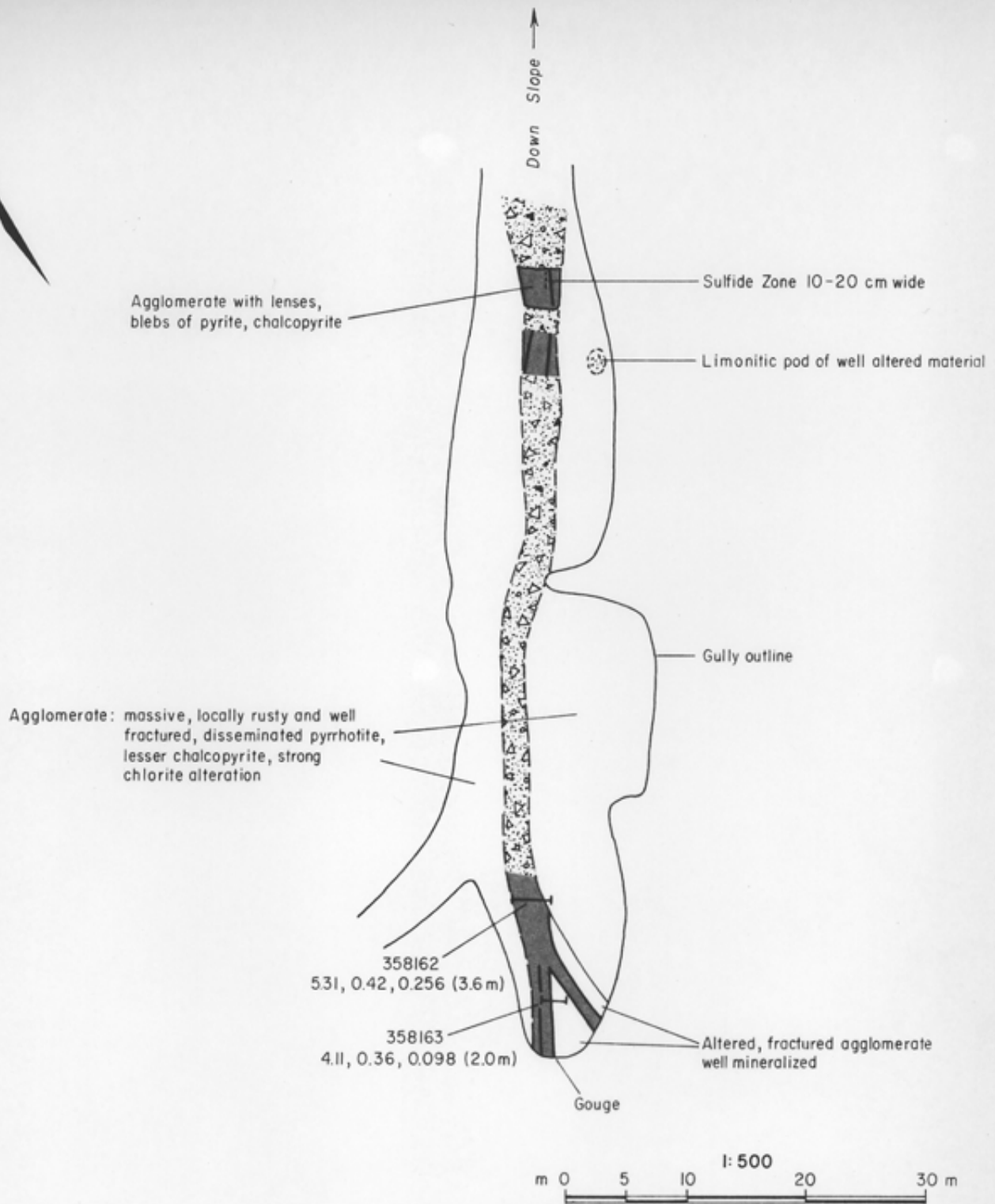
TABLE 7.0.1

GULLY ZONE SAMPLING RESULTS

<u>Sample</u>	<u>Type</u>	<u>Width</u>	<u>Gold</u>	<u>Silver</u>	<u>Copper</u>
245029/030	Grab	-	5.00 g/t	9.6 g/t	3.71%
358162	Chip	3.6 m	8.77 g/t	14.4 g/t	5.31%
358163	Chip	2.0 m	3.36 g/t	12.3 g/t	4.11%

Evidence for the origin of the Gully Zone mineralization is ambiguous. The sulphide mineralization displays good primary banding and breccia textures typical of volcanogenic massive sulphide deposits. Geophysical evidence indicates that the Gully Zone may lie along a lithological contact, which is reasonable given the general bedding trends on the property. This also supports a syngenetic origin. However, the gully in which the mineralization outcrops, and the trend of associated geophysical and soil geochemical anomalies, also parallels the main 030° shear orientation and the Gully Zone may be a structurally controlled vein with massive sulphide mineralization.

Several ten to thirty centimeter wide quartz or quartz-carbonate veins, related to small shears, have been discovered



LEGEND

- Chip Sample
 Cu %, Ag oz/t., Au oz/t. (Sample length)
- Sulfide Zone: lency to massive sulphides - pyrrhotite, chalcopyrite, pyrite, magnetite
- Mineralized rubble

LORICA RESOURCES LTD.			
TREK PROJECT SKETCH MAP-GULLY ZONE INCLINED VIEW LIARD MINING DIVISION, B.C.			
EQUITY ENGINEERING LTD.			
Drawn. J.W.	N.T.S. 104 G/3W	Date. Oct. 1988	FIG.No. 12

elsewhere on the soil grid. These veins contain highly anomalous gold values but are generally too narrow and widely spaced to justify much detailed follow-up. Table 7.0.2 summarizes grab sampling results from the most significant occurrences on the grid.

TABLE 7.0.2
GRID SAMPLING RESULTS

<u>Sample</u>	<u>Width</u>	<u>Gold</u>	<u>Silver</u>	<u>Copper</u>	<u>Lead</u>	<u>Zinc</u>
245025	5-10 cm	3.84 g/t	24.7 g/t	1000 ppm	1705 ppm	3.53%
245026	Float	11.24 g/t	18.0 ppm	348 ppm	856 ppm	1575 ppm
245028	50 cm	8.22 g/t	23.3 g/t	8.00%	10 ppm	373 ppm
245031	10 cm	2.95 g/t	5.5 g/t	0.67%	<2 ppm	32 ppm
245555	30 cm	1250 ppb	2.4 ppm	8980 ppm	<2 ppm	69 ppm
245556	25 cm	1530 ppb	2.6 ppm	9150 ppm	6 ppm	75 ppm

The East Zone is a well-mineralized, silver-rich vein system located on the southeast side of the TREK fault zone. Its presence is marked by a prominent localized gossan in a creek 500 meters west of TREK Creek (Figure 5). The veins, which range from ten centimeters to two metres across, have been traced along strike for 50 metres and possibly extend a further 250 meters west to the next creek valley, where a similar vein system occurs. They form a series of steeply dipping, subparallel, quartz veins trending approximately 060° and mineralized with pyrite, chalcopyrite, sphalerite, galena and arsenopyrite. Small rounded clasts composed mainly of sphalerite were observed within one of the veins, providing evidence that these veins are related to shearing. Significant grab sampling results from the East Zone are included in Table 7.0.3.

TABLE 7.0.3EAST ZONE SAMPLING RESULTS

<u>Sample</u>	<u>Width</u>	<u>Gold</u>	<u>Silver</u>	<u>Copper</u>	<u>Lead</u>	<u>Zinc</u>
245021	20-30 cm	2.94 g/t	89.1 g/t	0.80%	916 ppm	2320 ppm
245039	Float	0.89 g/t	216.2 g/t	47 ppm	6.71%	1620 ppm
245509*	200 cm	1450 ppb	95.2 ppm	664 ppm	2360 ppm	882 ppm
245510	50 cm	1.51 g/t	808.8 g/t	1.00%	9.15%	20.50%
245511	100 cm	0.89 g/t	184.1 g/t	0.15%	2.03%	0.44%
245512	50 cm	1.17 g/t	158.0 g/t	0.79%	0.23%	1.26%

*Chip Sample

The Toe Zone occurs at the southeastern toe of the TREK Glacier, where it can be traced along strike for approximately fifty meters before it is buried by glacial moraine. Gossanous volcanics host a series of subparallel silver-rich veins ranging from five centimeters to two metres across which trend approximately 060°. Mineralization consists of semi-massive pyrite, chalcopyrite, galena, sphalerite and barite in a grey quartz-sericite gangue. Table 7.0.4 lists significant grab sampling results from the Toe Zone. Potassic alteration associated with this mineralization, in the form of very fine-grained biotite, is apparent from the black color of the host volcanics. The overall form and appearance of the mineralization, and the orientation of the veins, is similar to that of the East Zone and the two zones may be closely related or may even form part of the same mineralized structure.

TABLE 7.0.4TOE ZONE SAMPLING RESULTS

<u>Sample</u>	<u>Width</u>	<u>Gold</u>	<u>Silver</u>	<u>Copper</u>	<u>Lead</u>	<u>Zinc</u>
245010	2.0 m	1.23 g/t	267.6 g/t	5.22%	0.42%	1.06%
245046	-	0.69 g/t	103.2 g/t	0.86%	0.57%	1.46%
245601	10 cm	0.55 g/t	48.0 g/t	0.60%	145 ppm	0.05%
245602	10 cm	1650 ppb	42.0 ppm	6000 ppm	53 ppm	130 ppm
358157	30 cm	1.17 g/t	187.5 g/t	4.73%	2.25%	1.39%

Garnet skarn and sulphide-rich limestone talus occur approximately 400 meters south of the Toe Zone, on the east side of the TREK Glacier at 1300 meters elevation. Sample #245623, taken from sulphide-rich float, assayed 49.1 oz/ton (1683 grams per tonne) silver with 14.8% lead, 16.4% zinc and no detectable gold. No bedrock source has been found but it is thought to be nearby.

The Heel Zone is hosted by hornfelsed volcanics with disseminated pyrite and chalcopyrite, adjacent to a small diorite plug west of the TREK Glacier near 1320 meters elevation. Narrow quartz veins give assays up to 0.428 ounce/ton (14.7 grams per tonne) gold with high silver and copper values and low lead and zinc values. At the contact with the diorite plug is a poorly-exposed zone of semi-massive to massive pyrite-chalcopyrite mineralization, whose extent and orientation could not be conclusively determined. Sample #358161, a grab sample over a five meter radius from this mineralization, assayed 0.222 ounce/ton (7.61 grams per tonne) with 3.42 ounces/ton (117.2 grams per tonne) silver and 1.12% copper. This copper mineralization is similar in appearance to some nearby float boulders with brecciated subangular silicified andesite fragments cemented by a chalcopyrite-molybdenite-magnetite matrix. Sample #245609, taken from this float, assayed 0.230 ounces/ton (7.88 grams per tonne) gold, 9.73% copper, 4.73 ounces/ton (162 grams per tonne) silver and greater than 1000 parts per million molybdenum. These samples likely represent breccia pipe mineralization similar to that present in the North Zone on the claims controlled by Silver Standard. Significant results from Heel Zone grab samples are presented in table 7.0.5.

TABLE 7.0.5HEEL ZONE SAMPLING RESULTS

<u>Sample</u>	<u>Width</u>	<u>Gold</u>	<u>Silver</u>	<u>Copper</u>	<u>Lead</u>	<u>Zinc</u>
149778	15 cm	2.60 g/t	71.6 g/t	1.32%	268 ppm	583 ppm
245609	Float	7.88 g/t	162.1 g/t	9.73%	2 ppm	146 ppm
245614	10 cm	14.66 g/t	121.7 g/t	1.76%	1 ppm	151 ppm
358158	10 cm	7.13 g/t	77.8 g/t	2.96%	296 ppm	0.16%
358159	Float	2.33 g/t	29.8 g/t	1.24%	26 ppm	300 ppm
358161	5 m	7.61 g/t	117.2 g/t	1.12%	2 ppm	0.08%

The LCP Zone is located at the mouth of TREK Creek and extends up stream about 100 metres. This highly gossanous area consists of strongly shattered, altered and pyritized volcanics. Due to the effects of the shearing the exact nature of this mineralized zone is very difficult to accurately assess. Rayner (1964) describes the mineralization as occurring in discontinuous lenses related to the shear zone. Rocks collected from this area are moderately anomalous in gold with up to 445 parts per billion gold and greater than 10,000 parts per million zinc.

In addition, Rayner (1964) described another five zones of copper mineralization on the TREK property (Figure 5). Of these, the West, Camp, North and Lower North Zones are mainly covered by the eight remaining Silver Standard claims, while the Northeast Zone lies on the TREK ground (Figure 5). Rayner (1964) describes these zones as follows:

"North Zone: The north zone consists of a series of breccia pipes cutting through an area of monzonite sills, dykes and Triassic volcanics...Only some of the pipes are mineralized with chalcopyrite and lesser pyrite. Sulphides seem to prefer to replace the matrix rather than the intrusive fragments.

North East Zone: An east-west fracture system dipping to the north cuts across a body of monzonite in this area. These fractures are mineralized with varying amounts of bornite and magnetite.

Lower North Zone: The Lower North Zone lies along the most strongly sheared section of the main northerly fault zone. Mineralization appears to be localized along it by minor fracture sets cutting across the main shear direction.

Camp Zone: The Camp Zone consists of a group of small monzonite plugs and dykes punching through a series of Triassic flows, flow breccias and limy tuffs. Sections of the volcanics have been highly fractured and brecciated by the intrusions. The areas of intrusion and brecciation do not appear to follow any particular pattern or control. Chalcopyrite and pyrite occur in the monzonite and to some extent in the adjacent tuffs.

West Zone: The West Zone consists of mineralization contained within a large monzonite dyke. This lies about 3000 feet west of the main northerly fault and appears to have filled a parallel fracture. The dips in both cases are steep and to the east. Intensity of mineralization appears to be related to intensity of fracturing, although the sulphides occur as disseminations rather than on the fractures themselves."

Sample #245604, taken across 1.5 meters from Silver Standard's West Zone, assayed 2.97% copper and 0.170 ounce/ton (5.83 grams per tonne) gold. Sample #245560, taken across 35 centimeters of highly fractured and altered quartz monzonite from Silver Standard's claims approximately 600 meters further northwest, assayed 4.14% copper with 0.112 oz/ton (3.84 grams per tonne) gold. Sample #245657, a grab over ten meters from an old trench on Silver Standard's Camp Zone, assayed 2.27% copper and 0.122 ounce/ton (4.18 grams per tonne) gold.

8.0 DISCUSSION AND CONCLUSIONS

The Iskut River, Sulphurets and Stewart gold camps, to the south of the Galore Creek district, host economic gold-bearing mesothermal veins which are intimately associated with syenitic stocks intruding an Upper Triassic volcano-sedimentary sequence. The TREK property, which lies along the same regional trend, exemplifies this geological environment, with quartz monzonite bodies intruding a correlative Upper Triassic volcanic sequence. During the course of the 1988 reconnaissance exploration program,

several significant zones of precious metal mineralization were discovered on the TREK property.

The Gully Zone is exposed along fifty meters of strike length, with two chip samples averaging 0.177 oz/ton (6.07 grams per tonne) gold and 4.71% copper across 2.8 meters. Strong, coincident, multi-element soil geochemical anomalies and a well-defined, coincident VLF-EM conductor suggest that it may extend at least 200 meters north and 100 meters south of its discovery location. Its geophysical signature continues a further 400 meters to the south. The geochemical and geophysical anomalies remain open and untested to the north, where the Sphaler Creek canyon will make it impossible to extend the grid. Prospecting, hand-trenching and completion of the magnetometer survey over the remainder of the soil grid would further define the Gully Zone extensions. The Gully Zone represents an excellent target for further exploration.

Several other promising zones of gold-silver-base metal mineralization, including the Heel, Toe and East Zones, will require further investigation, in the form of prospecting, mapping, sampling, geophysical surveys and hand-trenching in order to evaluate their potential.

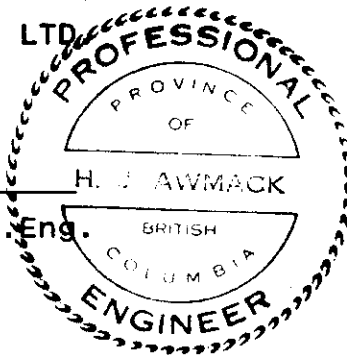
A multi-element stream sediment geochemical anomaly indicates the Northeast Zone, located at the northeastern extremity of the TREK fault zone, to be worthy of reconnaissance exploration for base and precious metal mineralization. The drainage upstream from stream sediment sample TRHS-9, which contained 195 parts per billion gold, has not yet been prospected nor mapped. Two major streams and several minor tributaries remain untested by stream sediment sampling.

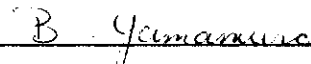
Soil sampling has proven effective in signalling the

presence of significant mineralization in the Gully Zone. Strong geochemical anomalies in the vicinity of the Heel and Toe Zones and east of TREK Creek at approximately 900 meters elevation have not yet been adequately investigated. The soil grid could be conveniently extended to the south and crosslines should be run west from the baseline to the south of Silver Standard's Sphal 33 claim.

Respectfully submitted,
EQUITY ENGINEERING LTD.


Henry J. Awmack, P. Eng.




Brian K. Yamamura

Vancouver, British Columbia
November, 1988

APPENDIX A

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BIBLIOGRAPHY

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APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES: TREK 1-5 CLAIMS
(July 3 - September 25, 1988)

PROFESSIONAL FEES AND WAGES:

Brian Yamamura, Project Geologist		
34.75 days @ \$300/day	\$	10,425.00
Tom Bell, Prospector		
29.25 days @ \$225/day		6,525.00
Derek Roulston, Sampler		
27.25 days @ \$175/day		4,769.00
Dave Hicks, Sampler		
1.75 days @ \$175/day		306.00
Bruno Kasper, Sampler		
1.0 day @ \$175/day		175.00
Rick Mayer, Sampler		
28.5 days @ \$175/day	<u>4,988.00</u>	
		\$ 27,188.00

CHEMICAL ANALYSES:

9 stream sediment samples		
@ \$18.25	\$	164.25
430 soil samples @ \$19.75		8,492.50
152 rock samples @ \$19.25		2,926.00
25 assays @ \$34.79	<u>869.75</u>	
		12,452.50

EXPENSES:

Licenses and Fees	\$	12.50
Geochemical Supplies		77.18
Materials and Supplies		2,359.55
Orthophoto Production		2,300.00
Mobilization/Demobilization		1,829.38
Camp Rental		2,600.00
Camp Supplies		235.79
Camp Food and Fuel		3,555.68
Helicopter Charters		14,127.23
Aircraft Charters		2,496.20
Communications		376.58
Freight		429.64
Geophysical Surveys		4,574.55
Linecutting		5,937.50
Expediting		685.02
Report	<u>5,000.00</u>	
		46,596.80

MANAGEMENT FEES:

15% on expenses; 7.5% on subcontracts	<u>6,783.44</u>
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\$ 93,020.74
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APPENDIX C

ROCK DESCRIPTIONS

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

 NTS 1046/3W

 Sampler TOM BELL

 Project PLT 88-01

 Location Ref SPHALER CREEK

 Date JULY, 1988

 Property TREK

Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width		DESCRIPTION			ADDITIONAL OBSERVATIONS	ppm ASSAYS ppb				
			Width	True Width	Rock Type	Alteration	Mineralization		Cu	Pb	Zn	Ag	Au
245006		Grab dc	10-20cm	10-20cm	Sediments	CL,	LI, GA, PY SP	East side of Trek creek 3400', grab along 1.0m	3720	238	925	21.0	245
245007		"	1m	4-5m	"	AK	PY, CP, LI	50m east of 006, 140°/V shear zone	>10000	34	465	30.6	480
245008		"	1m	20-30cm	"	CL	PY, CP	taken beside 007, massive S"	>10000	108	376	88.0	1100
245009		"	10-12m	10-12m	"	CL	PY, CP, SP	gossanous zone	3390	408	1625	50.0	845
245010		"	2m	2m	"	CL, BA	PY, CP, SP, GA LI	zone in middle of gossan 130°/V	>10000	4280	8520	>200	1100
245011		"	5-7m	5-7m	"	QZ,	LI, PY CP	uphill from 010, 080°/60°N	6220	174	276	68.0	930
245012		"	20m	20m	volc. tuffs	EP	PY, LI	above camp to the south 4225'	768	28	58	3.0	70
245013		"	1m	?	Sediments	CL	PY, LI, MnO ₂	contact zone between tuffi siltst./sandst.	697	16	93	0.8	25
245014		"	50cm	?	"	CL	LI, PY	20-30m east of 13, gossanous	546	8	39	0.8	25
245015		Float			"	CL, QZ	PY, LI,	10m downslope on gossan well silicified float.	200	<2	29	0.2	20
245016		Grab dc	1m	?	Seds/Volc.	CL	PY, LI.	contact 120°/60°S 4325'	167	6	25	0.2	20
245017		"	1m	10m	Sediments	CL	PY, LI.	3875', alt ^d gossan	112	<2	109	0.2	45
245018		Float			"	QZ, CA, CL	PY, LI.	2475' alt ^d sediments.	1600	820	895	42.0	360
245019		Grab dc	10m		"	QZ, CA, CL	PY, GA	2500', north side of creek	34	12	65	0.2	20
245020		"	2m	20-30cm	"	QZ, CL	PY, LI, GA	090°/70°N vein	590	6230	359	106.0	470
245021		"	3m	20-30m	"	QZ, CL	PY, CP, SP AR, GA	on strike from 020 across creek on north side	8700	916	2320	96.0	2750
245022		"	3m	?	"	CL	PY, LI	gossanous dc.	257	124	133	5.8	205
245023		"	5m	3m	"	CL, QZ	PY, LI, SP CP	090°/V shear zone	2200	86	281	24.6	355
245024		"	1m	10m	Aggl.	QZ, CA, CL	PY, LI, CP	gossan. 3400'	358	2	38	0.8	25
245025		"	1m	5-10m	Volc.	CL, EP, QZ CA	PY, CP, SP GA	shear zone 110°/45°S	1000	1705	>10000	26.6	3420

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

 NTS 1046/3W

 Sampler TOM BELL

 Project PLT88-01

 Location Ref SPHALER CREEK

 Date JULY, 1988

 Property TREK

Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	PPM ASSAYS PPB					
				Rock Type	Alteration	Mineralization		Cu	Pb	Zn	Ag	Au	
245026		Float		Vein only	CL, EP	PY, CP, AS SP, GA	5m below 025 on strike	348	856	1575	18.0	>10000	
245027		Grab ØC	30cm 30cm	Aggl.	CL, QZ	PY	alteration in agglomerate	163	10	95	0.2	80	
245028		"	50cm ?	"	QZ, CA	tr. PY, CP	altered agglomerate	>10000	10	373	21.4	8000	
245029		"	10m 2m	"	CL	PY, PR, CP M6.	grab along structure + 030°/45° SE - Gully Zone	>10000	<2	212	10.0	4670	}
245030		"	1.5m 1.5m	"	"	"	50m down slope - Gully Zone massive sulphides.						
245031		"	10m 10cm	"	"	PY, PR, CP	10m across slope from 030 130°/60°S	7320	<2	32	6.0	2850	
245032		"	5m 5m	"	QZ, CA	PY, CP, SP	shear zone, exposed for 5m in creek draw	3080	4	86	1.6	45	
245033		Float		"	CA, CL	PY, SP, CP	10m up creek draw from 032.	512	36	2450	3.8	340	
245034		Grab ØC	5m 5m	"	QZ, CA	PY, SP, CP, AS,	020°/20SE shear zone	430	202	1835	4.8	1960	
245035		"	3m	"	CL, QZ	PY, LI,	3050' dry gully off of north fork of 2nd east creek.	382	115	500	12.0	155	
245036		"	5m	"	CL, QZ	PY, LI.	gossan trending 100°	260	68	133	13.2	150	
245037		"	10m	"	CL, QZ	PY, LI.	same zone as 036 10m below	99	147	336	1.4	50	
245038		"	15m	"	QZ, CL	PY, SP, LI	taken across gully same structure as 036, 037.	44	307	680	4.8	125	
245039		Float		"	QZ	GA, PY, SP	2650', frothy QZ boulder	47	>10000	1620	>100	730	
245040		Grab ØC	20m ?	"	CL, QZ	GA, PY, SP	sample across cliff face of alt ^g aggl. vein + 120°/60W	34	7500	270	22.0	660	
245041		"	20cm ?	"	CL	PY, CP	across take from ramp. diss. S", alt ^g volc.	4720	238	66	6.7	270	
245042		"	1m	"	QZ, CL	PY, GA	QZ stringers further south along shore.	630	105	135	1.1	50	
245043		Float		"	CL	PY	Camp Creek. 4050'	192	42	58	0.3	35	
245044		Grab ØC	2m ?	"	CL, QZ	PY, CP	alt ^g volc., QZ stringers	353	43	41	0.2	40	
245045		"	3m	Sediments	CL, QZ	PY, CP	12m down slope from 009,00	1960	132	610	13.5	160	

Sampler TOM BELL

Project PLJ 88-01

Location Ref SPHALER CREEK

Date JULY

Property TREK

Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	PPM ASSAYS P.P.B				
					Rock Type	Alteration	Mineralization		Cu	Pb	Zn	Ag	Au
245046		Grab QC	2m	?	Agglomerate	CL, QZ	PY, SP, CP GA	Below Toe of Glacier 040/30SW grab along zone for 2m	9300	4800	>10000	7100	730
245047		"	3m	4m	"	CL	PY, CP	Gossan zone 30m uphill from 046	2310	122	372	10.0	100
245048		"	10m	?	"	CL, QZ BA.	PY, CP, SP	taken @ base of cliff below 047, grab along face	8560	232	2100	91.0	500
245049		"	5m	?	"	CL	PY, SP, CP	grab along gossanous cliff	419	61	2160	5.2	80
245050		Float			"	CL, QZ, CA	PY, CP, GA SP	talus sample, QZ/CA veins stringers	217	53	660	3.1	105
245601		Grab QC	1m	10cm	"	CL	PY, CP, SP	+ 020°/V. above 047 area shear zone, grab along 1m	>10000	145	>10000	7100	500
245602		"	15cm	15cm	"	CL	PY, SP, CP	10m further north of 601 shear zone 020°/V.	6000	53	130	42.0	1650
245603		Float			Breccia	CL, QZ, CA	PY, CP, MA LI	above 245049+10, large float boulder	1320	17	1300	5.7	65
245604		Grab QC		1.5m	Aggl.?	CL	PY, CP, MO. MC, SP	3,400', large boulders in mass	>10000	72	860	28.0	5900
245605		"	2m.	30cm	Aggl.	CL, QZ	PY, CP	grab along stringers for 2m. glacier zone 190°/60SW	940	30	369	2.7	205
245606		"	1m	?	"	CL	PY, CP, Mo?	stringer zone	1320	88	225	4.9	240
245607		"	1m	1m.	"	QZ, CA.	PY, CP	+ 070°/50°SE	560	6	99	0.3	40
245608		"	3m	2-3m	"	QZ, CL, CA	PY	+ 100°/65°NE, QZ/CA alteration	374	8	113	0.1	150
245609		Float			Intrusive?		CP, MO	4150' above 608 sample breccia boulder - 1m	>10000	2	146	7100	710000
245610		Grab QC	5-10cm	5-10cm	Aggl.	CL, QZ	PY, PO, CP	20m above 609, heavy in talus.	1210	4	37	2.3	40
245611		"	5m	?	"	CL	PY, CP, PO	strong gossan	2280	3	62	6.7	290
245612		"	5m	12m	"	CL, QZ	CP, PY, PO AZ, MA.	above 611, a 14° volc. stringer zone	9680	3	155	18.7	1210
245613		"	15m	?	"	CL	CP, PY, SP, PO		7150	1	142	8.9	1140
245614		"	10cm	10cm	"	CL, QZ	PY, CP, LI	+ 070°/50°SE QZ vein 4325'	>10000	1	151	7100	>10000
245615		"	10m	10-15m	"	CL	PY, PO, CP	4450', gossanous knob	1280	21	209	3.7	120

Sampler TOM BELL

 Project PLJ 88-01

 Location Ref SPHALER CR.

 Date JULY, 1988

 Property TREK

Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	PPM ASSAYS PP6						
				Rock Type	Alteration	Mineralization		Cu	Pb	Zn	Ag	Au		
245616		Grab ϕ c	2m	Aggl.	CL	PY, CP, PO	CL alt ϕ volc.	700	7	72	1.5	95		
245617		"	20cm	"	CL, QZ	PY, LI	4525' small gossan zone	293	3	51	0.1	80		
245618		"		"	QZ, CL	PY, PO, LI	20 m up slope from 617 alt ϕ volc.	109	1	63	0.1	70		
245619		"		"	QZ, CA, CL	PY, SP, GA	ϕ c/talus 3750', shattered volc., QZ/CA stringers, 4. missing	250	>10000	>10000	84.0	70		
245620		"	20cm	"	QZ, CL	PY, SP, LI	3800', shear zone	121	520	2370	10.7	15		
245621		"	5m	5m	QZ, CA, CL	PY, SP, GA CP, MA,	shear zone 085°/70°S	215	830	>10000	9.1	30		
245622		"	10m	?	QZ/CA	PY, SP, CP, GA	25m up from 621, disseminated sulphides.	790	680	>10000	8.9	45		
245623		Talus Float			Limestone	QZ, GAR.	4100' up game creek as 622 skarn float.	292	>10000	>10000	>100	40		
245624		Grab ϕ c	20cm	20cm	Aggl.	CL	20-30 N. of 622, shear zone 030°/V	570	9700	>10000	82.0	120		
245625		"	1m	40-50cm	"	EP, CL, QZ, CA	± 140°/V. grab along vein	103	128	650	1.4	60		
245626		"	50-60cm	50-60cm	"	EP, CL, QZ CA	10m east of 624 ± 016°/80°SW vein exposed 5m	5940	62	300	2.4	170		
245627		"	50cm	50cm	"	EP, CL	taken above 626	4440	24	200	3.3	610		
245628		Subcrop			"	CL, QZ, CA	5m east of camp in trench	>10000	68	472	16.8	1370		
245629		Grab ϕ c	5m		"	QZ, CL	in old trench, alt ϕ volc.	5500	32	180	5.4	500		
245630		"	3m	3m	"	CL,	alt ϕ c.	2070	12	91	2.6	130		
245631		"	5m	7m	Intrusive	CL,	50m down slope from 630	5970	6	123	4.8	100		

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

Sampler TOM BELL
Date JULY, 1988

Project PLJ88-01
Property TREK

NTS 1046/3W
Location Ref SPHALER CREEK
Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample		DESCRIPTION			ADDITIONAL OBSERVATIONS	PPM ASSAYS PP6				
			Width	True Width	Rock Type	Alteration	Mineralization		Cu	Pb	Zn	Ag	Au
245637		talus			Volc.	CL	PY, LI	Northside Sphaler Cr. 1950m. elev.	28	4	55	<2	70
245638		Grab ϕ c	2m		"	CL, AK	PY	North side of Sphaler Cr. 665m. elev. west creek	86	14	93	<2	40
245639		Grab ϕ c Float	1m		"	QE, CA	PY, CP	diss. PY, fracture filling of CP	94	38	69	<2	25
245640		Talus	1m		felsic volc.?		PY, GA, SP	disseminated sulphides. 655m elev.	152	96	259	1.2	10
245641		Grab ϕ c	3m		Volc.	CA, SD, AK	PY, CP	780m. elev.	162	4	56	<2	15
245642		"	2m	5m	felsic dyke	QE	PY, SP	800m elev.	17	56	400	0.4	5
245643		Talus			Volc.	CA, SD, AK.		875m elev.	32	6	68	<2	<5
245644		Talus			"	AK, QE, CA	PY, CP	790m elev.	508	18	106	<2	345
245645		Grab- ϕ c	1m		"	CL	PY, tr. CP	15m up from last sample taken on ^{4/5 day} July 3 rd	10	14	176	<2	5
245646		"	2m		Aggl.	CL	PY, LIH.	20m upstream from 645	84	<2	111	<2	5
245647		"	2m	1m	Volc.	QE, CL	PY, GA, CP	shear zone 060°/65°NW w/ QE veining	51	656	8040	1.4	235
245648		"	7m	?	Volc.	CL	PY	same location 647, 25m east.	61	24	351	<2	10
245649		"	25cm	25-35cm	"	QZ, CL	PY	chip across zone, massive + 090°/55°NW	101	442	2580	2.4	390
245650		"	3m	2-3m	"	CL, QZ	PY, CP, MA, AZ, LI	20m from 649, massive PY + 080°/74°NW stringer 3cm	343	140	228	1.8	140
245651		"	1m	1m	"	CL, QZ	SP, GA, PY	+ 085°/45°NW vein	68	612	>10000	4.8	445
245652		"	1m	?	"	CL	PY	5m east of 557. PY blobs and fracture fillings	299	2	589	<2	25
245653		"	10m	?	"	CL	PY	diss. PY.	191	<2	192	<2	100
245654		Float			"	CL	PY	alt ϕ aggl.	5	6	126	1.0	<5
245655		Grab ϕ c	10m		"	CL, QZ	PY, CP, LI	QZ stringers in alt ϕ volc.	2460	14	242	8.0	540

Sampler TOM BELL
Date AUGUST, 1988
SEPTEMBER, 1988

Project PLJ88-01
Property TREK

Location Ref SPHALER CREEK
Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ppm ASSAYS PP6					
				Rock Type	Alteration	Mineralization		Cu	Pb	Zn	Ag	Au	
245656		Grab ØC	20-30cm 50cm	Agglomerate	CL	PY, CP, MA	may be old trench site located west of camp	4470	8	225	7.2	385	
245657		"	10m	"	CL, CA	PY, CP, LI, AZ, MA	15m south of 656, 10m trench, diss. sulphides	710,000	<2	175	4.6	3850	
245658		"	3m radius ?	"	CL, CA	PY, CP, LI	10m west of 657 trench	622	<2	55	1.4	70	
245659		"	5M ?	"	CL	PY, CP, LI HO	50m north of 658, gossanous zone	407	8	43	2.0	160	
245660		"	10m	Sediments	CL	PY, LI		200	18	144	0.4	15	
245661		"	10cm 15cm	"	CL, CA, QZ	PY	shear zone 090°/75°W	167	14	70	<0.2	10	
245662		"	2cm	"	CL, QZ	PY, GA, SP	QZ stringers	284	9870	710,000	45.0	630	
245663		Talus	7m	"	CA, QZ	PY	intensely fractured sediments	306	142	151	1.4	600	
245664		Grab ØC	1m ?	"	CL	CP, PY, GA	5m east of 660, gossanous zone, QZ stringers	138	278	1145	2.8	65	
245665		"	5-7m ?	?	CL	PY, CP	shattered gossanous material east side of North creek	189	6	64	<0.2	15	
245666		"	5-7m	Agglomerate	CL	PY, CP	good gossan zone highly alt ^d , 666, 667 consecutive grabs	839	<2	99	0.6	35	
245667		"	20-25m 7-10m	"	CL	PY, PY			553	<2	54	0.6	25
358156	R. Meyer sample	Float		"	CL	PY, CP	float in overturned tree root	2650	<2	72	1.2	220	
358157		Grab ØC	30cms ?	Agglomerate	CL	massive PY, CP, SP, GA	Toe Zone above 245009, 010	710,000	710,000	710,000	172.5	1320	
358158		"	20cm 10cm	"	CL, QZ, CA	PY, CP, COV. MA.	Heel Zone 3m south of 245614 ± 170°/V.	710,000	296	1955	81.8	7440	
358159		Talus		"	CL	PY, CP, MnO ₂	2m above heel zone	710,000	26	300	36.0	2440	
358160		Grab ØC	10m	Intrusive	CL	PY, CP	50m west of 614	1035	29	68	3.4	160	
358161		"	5m radius ?	Agglomerate	CL	PY, CP	Bunyon zone, volcanic contact w/ intrusive	710,000	2	1025	109.0	6190	
358162		Chip	3.6m 3.6m	"	CL	massive PY, PO, CP	Gully Zone	5.31%	<0.01%	0.05%	0.42%	0.256 047	
358163		Chip	1.5m 1.5m	"	CL	"	Gully Zone	4.11%	<0.01%	0.03%	0.36%	0.098 047	

Sampler DEREK ROULSTON

Project PLJ 88-01

NTS 1046/3W

Location Ref Sphaler Creek

Date July 14 to Aug 1/1988

Property TREK

Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ppm ASSAYS ppb				
					Rock Type	Alteration	Mineralization		Ca	Pb	Zn	Ag	Au
245501		Grab o/c	-	-	Agglom	CL, Fe	PY, CP, LE Product	→ found at 2+00N 0+50E Peds/lenses, fracture fillings	3600	6	40	0.2	100
502		"	-	-	Agglom?	CL, Fe	PY	At end of L 4100N in glacier ravine, 200m above main creek	309	4	33	0.2	25
503		"	3m	8m	Agglom?	Clay	PY	950 m contour 2+50 m	174	48	197	1.0	15
504		"	1m	5m	Agglom?	"	PY	950 m contour 2+50	162	556	2200	5.8	140
505		"	50 cm	15 cm	Volc. Breccia	Ch, Clay	PY; LE Products	2nd creek east of south creek elev. 870 m; vein strike 030/45°W	399	224	7670	5.8	25
506		"	25 cm	10m	Volc Breccia	Ch, clay	PY; CP? LE Products	Highly sheared and fractured Gossan South creek, 650 elev	407	178	571	4.6	105
507		"	50 cm	40-50 cm	Volc Breccia	QZ	PY, AR ± CP? LE Products	East fork of 2nd east creek, off main creek, located in highly gossanous area, strike 040/80NW	1560	1180	1685	33.0	1000
508		"	15 cm	10-15 cm	Volc Breccia	QZ	PY, CP SP ± AR	3 m south of #245507, possible splay off Qtz vein of 245507	1330	222	4060	18.0	1350
509		Chip	2m	2 m	Volc Breccia/wacke	QZ	PY (mass + dir) + CP ± SP	15-20 m down from #245507, elev 930m, Grog, porous Qtz vein, strike 074/91NW	664	2360	882	95.2	1450
510		Grab o/c	15 cm	1 m	Volc Breccia/wacke	QZ	PY + CP ± GA	→ offset 1m from #245509; possible faulted? part of QZ vein	710000	>10000	>10000	7200	1920
511		Grab o/c	10 cm	50 cm	Volc Breccia/wacke	QZ	PY, CP, HE, GE	→ east side of fault in same gully as #245509	1690	>10000	4940	167.0	1000
512		Grab o/c	20 cm	25 m	Volc Breccia/wacke	QZ	PY, SP, GA, HE, GE, ± CP	→ 10 m up gully from #245511, vein is highly sheared and fractured vein orientation strike 254/75NE	8430	2000	>10000	137.5	1180
149769		"	3-4 m	3-4 m	f.g. silicious host	QZ	highly oxidized	north side of Sphaler Creek vein material	140	6	381	40.2	30

Sampler B. Yamamura

Project PLJ88-01

Location Ref Sphaler Creek

Date July 1988

Property TREK

Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	PPM ASSAYS PPB						
				Rock Type	Alteration	Mineralization		Cu	Pb	Zn	Ag	Au		
245551		Grab ϕ C	30cm	Agglom.	QE	PY, CP	Alt zone around 552	109	6	130	0.2	30		
245552		"	75cm	"	QE	PY, CP	Main structure	203	20	61	0.2	30		
245553		"	30cm 1.05m	"	CL	PY	gossanous zone 1000/67°W 10m west of 245501	312	<2	40	0.2	10		
245554		"	35cm 35cm	"	QE	PY	highly fractured silicified agglomerate	128	<2	30	0.2	10		
245555		"	30cm 1.0-1.5m	"	CL	PY, CP, PO	shear zone $\pm 166^\circ/85^\circ E$ contains 2-4 mm bands CP	8980	<2	69	2.4	1250		
245556		"	25cm 1.0m	"	QE, CL	PY, CP	5m upslope from 555 QE veining/stringers $\pm 067^\circ/V$	9150	6	75	2.6	1530		
245557		"	1.2m	"	CL, SP	PY	small gossanous zone strongly fractured/sheared	122	5	72	0.1	10		
245558		"	25cm 20-30cm	"	CL, QE	PY, CP, PR	discontinuous zone traceable for 25m	167	6	64	0.1	<5		
245559		"	1.0m 1.5m?	"	CL	PY, CP	110°V shear zone	267	5	110	0.1	<5		
245560		"	35cm 1.5m	angite porph felsite	QE	PY, CP, HA SP? LI	West zone - Silver Standard highly fractured	710,000	8	195	49.0	3500		
245561		"	35cm 7.5cm	Agglom.	QE	CP	buff white QZ vein $\pm 135^\circ/V$	1260	3	24	1.1	150		
245562		float		Conglom.		PY		1025	494	1415	18.4	85		
245563		"		"		PY	pyritic hornfelsed conglomerate	258	96	378	3.0	20		

APPENDIX D

CERTIFICATES OF ANALYSIS



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0223

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ-88-01

Comments: ATTN: HENRY AWMAK

Page No. : 1-A
Tot. Pages: 1
Date : 14-JUL-88
Invoice # : I-8818391
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8818391

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
149775	212 238	10	2.47	0.2	15	220	< 0.5	2	1.56	< 0.5	29	20	116	4.72	< 10	< 1	1.03	10	1.80	569
149776	212 238	250	2.13	1.2	< 5	50	< 0.5	4	0.18	< 0.5	47	9	302	10.85	< 10	< 1	1.42	10	1.10	293
149777	212 238	260	0.44	1.4	10	150	< 0.5	< 2	0.07	< 0.5	4	5	56	7.72	< 10	< 1	0.50	< 10	0.15	73
149778	212 238	2500	1.03	74.0	2760	20	< 0.5	14	0.11	9.5	67	17	>10000	>15.00	< 10	< 1	0.66	10	0.32	397
149848	212 238	60	0.42	56.0	80	50	< 0.5	110	8.75	>99.9	116	8	772	2.94	< 10	< 1	0.14	< 10	0.15	3950
149849	212 238	25	4.51	1.0	45	130	< 0.5	< 2	5.17	3.0	27	25	455	4.31	< 10	< 1	0.42	< 10	0.68	553
149850	212 238	1180	0.35	12.2	>10000	20	< 0.5	26	0.15	>99.9	33	14	200	>15.00	< 10	2	0.16	10	0.06	168
245001 TB-1	212 238	20	2.05	0.2	180	60	< 0.5	< 2	3.32	1.5	35	6	23	5.93	< 10	< 1	0.39	< 10	1.95	1145
245002 TB-2	212 238	15	2.47	0.4	80	60	< 0.5	< 2	3.42	< 0.5	38	20	559	6.70	< 10	< 1	0.24	< 10	2.70	1025
245003 TB-3	212 238	495	0.18	8.4	435	< 10	< 0.5	< 2	1.23	8.0	73	20	89	>15.00	< 10	< 1	0.09	20	0.10	399
245004 TB-4	212 238	100	0.62	3.4	45	40	< 0.5	2	0.12	1.5	22	7	15	6.05	< 10	3	0.41	< 10	0.11	93

B. Caughlin
CERTIFICATION



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
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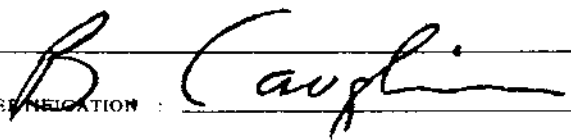
Project: PL3-88-01

Comments: ATTN: HENRY AWMAK

Page No. : 1-B
 Tot. Pages: 1
 Date : 14-JUL-88
 Invoice # : I-8818391
 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8818391

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
149775	212 238	3	0.06	8	730	18	< 5	6	31	0.26	< 10	< 10	97	5	41
149776	212 238	129	0.06	5	840	8	< 5	8	9	0.27	< 10	< 10	148	15	33
149777	212 238	127	0.08	5	760	8	< 5	4	19	0.28	< 10	< 10	100	5	6
149778	212 238	66	0.02	18	370	268	10	2	8	0.10	< 10	< 10	43	15	583
149848	212 238	27	0.01	39	560	>10000	10	3	67	< 0.01	< 10	< 10	15	35	>10000
149849	212 238	7	0.44	10	1320	280	5	5	425	0.16	< 10	< 10	74	175	172
149850	212 238	5	0.01	8	350	690	70	1	8	< 0.01	< 10	< 10	9	25	7560
245001 TB-1	212 238	1	0.02	5	1850	12	< 5	4	40	< 0.01	< 10	< 10	54	20	164
245002 TB-2	212 238	4	0.04	12	1490	24	< 5	16	64	0.15	< 10	< 10	142	25	116
245003 TB-3	212 238	6	< 0.01	17	10	464	< 5	2	12	0.01	< 10	< 10	1	25	1240
245004 TB-4	212 238	1	0.01	5	200	354	< 5	3	5	0.04	< 10	< 10	29	10	240

CERTIFICATION: 



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
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406 - 675 W. HASTINGS ST.
VANCOUVER, BC
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Project: PLJ 88-01
Comments: ATTN: HENRY AWMACK

Page No. 1-A
Tot. Pages 1
Date 21-JUL-88
Invoice #: I-8818822
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8818822

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
149769	212	238	30	0.52	< 0.2	45	130	< 0.5	< 2	10.10	1.0	7	13	140	3.44	< 10	< 1	0.37	< 10	4.63	1415

CERTIFICATION :



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ 88-01
Comments: ATTN: HENRY ANMACK

Page No. 1-B
Tot. Pages: 1
Date: 21-JUL-88
Invoice #: I-8818822
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8818822

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
149769	212 238	< 1	0.01	21	550	6	10	2	83	< 0.01	< 10	< 10	24	15	381

CERTIFICATION :



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
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Project: PLJ88-01
 Comments: ATTN: HENRY AWACK

Page No.: 1-A
 Tot. Pages: 1
 Date: 8-AUG-88
 Invoice #: I-8819846
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8819846

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA																		
245501	212	238	100	2.78	0.2	10	10	0.5	2	1.14	0.5	20	21	3600	6.93	< 10	2	0.14	30	1.91	434
245502	212	238	25	1.41	0.2	20	70	0.5	< 2	0.19	< 0.5	12	25	309	8.33	< 10	< 1	0.33	10	1.08	272
245506	212	238	245	1.44	21.0	445	30	1.0	2	2.85	6.0	16	54	3720	13.20	< 10	1	0.55	10	0.94	4600
245507	212	238	480	1.20	30.6	380	20	0.5	< 2	1.54	2.5	12	46	>10000	14.45	< 10	< 1	0.71	10	0.82	2040
245508	212	238	1100	0.27	88.0	420	10	0.5	< 2	0.11	4.0	3	65	>10000	>15.00	< 10	< 1	0.17	10	0.21	183
245509	212	238	845	0.66	50.0	790	10	0.5	2	0.08	7.0	8	59	3390	>15.00	< 10	2	0.40	10	0.08	162
245510	212	238	1100	0.41	>200	915	10	2.0	< 2	0.37	82.5	10	56	>10000	>15.00	< 10	10	0.15	10	0.33	499
245511	212	238	930	0.61	68.0	645	10	2.0	2	0.04	1.5	8	69	6220	>15.00	< 10	< 1	0.36	10	0.07	174
245512	212	238	70	1.71	3.0	30	200	1.0	2	1.56	0.5	33	31	768	7.10	10	< 1	1.10	20	1.20	499
245513	212	238	25	1.70	0.8	5	210	1.0	< 2	1.28	1.5	55	35	697	6.63	10	< 1	0.36	10	0.71	340
245514	212	238	25	3.67	0.8	25	80	1.5	< 2	2.26	< 0.5	149	45	546	10.35	10	< 1	0.75	10	0.91	469
245515	212	238	20	6.33	0.2	< 5	80	1.5	2	4.67	< 0.5	68	30	200	6.17	10	< 1	0.32	< 10	0.43	426
245516	212	238	20	1.81	0.2	15	210	1.5	< 2	0.22	< 0.5	7	28	167	7.71	10	1	1.08	20	0.76	216
245517	212	238	45	4.68	0.2	15	530	1.0	< 2	2.46	< 0.5	21	95	112	5.84	10	2	1.85	10	2.19	1000
245518	212	238	360	0.67	42.0	1170	60	1.0	< 2	0.14	5.0	18	31	1600	11.80	< 10	< 1	0.42	< 10	0.05	78
245519	212	238	20	2.56	0.2	95	110	1.0	4	0.58	< 0.5	23	36	34	8.58	10	1	0.45	10	2.39	944
245520	212	238	470	0.71	106.0	630	160	1.0	40	0.05	< 0.5	14	28	590	7.35	< 10	5	0.51	< 10	0.06	98
245521	212	238	2750	0.67	96.0	>10000	50	1.5	< 2	0.12	16.0	34	39	8700	14.10	< 10	< 1	0.47	10	0.07	84
245522	212	238	205	1.29	5.8	610	60	1.5	< 2	0.09	< 0.5	22	34	257	11.80	< 10	< 1	0.47	< 10	0.49	392
245523	212	238	355	1.80	24.6	355	20	1.5	16	0.30	1.0	23	53	2220	>15.00	< 10	< 1	0.84	10	0.54	1505
245524	212	238	25	1.00	0.8	25	100	1.0	< 2	0.47	< 0.5	17	29	358	5.21	< 10	< 1	0.48	10	0.48	326
245525	212	238	3420	1.67	26.6	940	80	0.5	34	2.66	>99.9	15	22	1000	5.71	< 10	29	0.42	< 10	0.61	824
245526	212	238	>10000	0.71	18.0	>10000	50	1.0	22	0.12	17.0	23	31	348	8.86	< 10	1	0.18	< 10	0.20	338
245527	212	238	80	1.71	0.2	190	50	0.5	4	3.13	< 0.5	26	30	163	6.34	< 10	< 1	0.35	< 10	1.31	683
245528	212	238	8000	0.52	21.4	50	< 10	3.5	< 2	0.33	3.5	335	57	>10000	>15.00	< 10	< 1	0.02	20	0.40	131
245529+245530	212	238	4670	1.51	10.0	95	10	3.5	< 2	0.35	1.0	285	53	>10000	>15.00	10	< 1	0.24	20	0.93	218
245531	212	238	2850	2.34	6.0	95	10	1.5	< 2	0.71	< 0.5	21	30	7320	11.75	10	< 1	0.19	10	1.31	338
245532	212	238	45	1.37	1.6	25	130	1.0	6	7.03	< 0.5	22	20	3080	5.53	< 10	1	0.18	< 10	2.20	1350
245533	212	238	340	3.88	3.8	340	110	1.5	< 2	0.28	24.5	28	21	512	8.63	10	3	0.54	10	1.49	905
245534	212	238	1960	2.46	4.8	355	30	0.5	< 2	5.95	15.0	40	28	430	9.03	10	< 1	0.35	< 10	1.90	2390
245551	212	238	30	3.22	0.2	25	40	0.5	< 2	2.45	0.5	22	41	109	5.77	< 10	2	0.19	30	2.48	1285
245552	212	238	30	1.84	0.2	75	20	0.5	< 2	3.04	0.5	20	21	203	3.38	< 10	1	0.30	30	1.18	608
245553	212	238	10	2.43	0.2	< 5	< 10	< 0.5	< 2	1.52	< 0.5	13	16	312	4.84	< 10	< 1	0.08	20	1.74	405
245554	212	238	10	2.16	0.2	10	20	< 0.5	< 2	1.50	< 0.5	20	20	128	4.23	< 10	1	0.15	20	1.40	421
245555	212	238	1250	3.51	2.4	20	< 10	0.5	< 2	0.97	0.5	22	32	8980	9.26	< 10	< 1	0.20	30	2.71	482
245556	212	238	1530	2.22	2.6	< 5	< 10	0.5	< 2	1.11	0.5	18	22	9150	5.46	< 10	1	0.06	30	1.42	296

CERTIFICATION:

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: PLJ88-01
 Comments: ATTN: HENRY AWMAK

Page No. : 1-B
 Tot. Pages: 1
 Date : 8-AUG-88
 Invoice #: I-8819846
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8819846

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
245001	212 238	34	0.08	6	1430	6	< 5	8	31	0.60	< 10	< 10	201	< 5	40
245002	212 238	28	0.03	4	1440	4	< 5	12	11	0.32	< 10	< 10	136	5	33
245006	212 238	3	0.04	19	1000	238	10	8	69	0.10	< 10	< 10	80	25	925
245007	212 238	1	0.01	10	940	34	< 5	7	38	0.06	< 10	< 10	60	25	465
245008	212 238	< 1	< 0.01	4	90	108	< 5	4	72	0.01	< 10	< 10	29	< 5	376
245009	212 238	5	0.01	27	620	408	20	5	18	0.02	< 10	< 10	42	< 5	1625
245010	212 238	4	0.01	22	280	4280	635	5	50	0.01	< 10	< 10	37	40	8520
245011	212 238	9	0.01	39	310	174	30	6	10	0.01	< 10	< 10	46	10	276
245012	212 238	3	0.08	30	2640	28	< 5	9	90	0.37	< 10	< 10	216	15	58
245013	212 238	10	0.20	25	1470	16	< 5	8	187	0.26	< 10	< 10	121	15	93
245014	212 238	23	0.47	26	1510	8	< 5	16	119	0.22	< 10	< 10	143	90	39
245015	212 238	28	0.40	22	1840	< 2	< 5	10	171	0.24	< 10	< 10	117	60	29
245016	212 238	6	0.09	15	590	6	< 5	5	36	0.28	< 10	< 10	335	5	25
245017	212 238	5	0.48	33	2240	< 2	< 5	15	265	0.33	< 10	< 10	222	10	109
245018	212 238	4	0.01	18	730	820	35	4	10	< 0.01	< 10	< 10	34	10	895
245019	212 238	2	0.03	16	1300	12	< 5	13	23	0.37	< 10	< 10	162	15	65
245020	212 238	8	0.01	10	730	6230	20	3	6	0.01	< 10	< 10	33	10	359
245021	212 238	9	0.01	9	730	916	50	3	7	< 0.01	< 10	< 10	30	< 5	2320
245022	212 238	< 1	0.01	13	460	124	< 5	5	5	0.04	< 10	< 10	53	< 5	133
245023	212 238	1	0.02	24	1240	86	< 5	9	25	0.13	< 10	< 10	94	5	281
245024	212 238	3	0.08	13	880	2	< 5	4	18	0.21	< 10	< 10	52	5	38
245025	212 238	< 1	0.01	6	690	1705	< 5	2	29	0.05	< 10	< 10	25	75	>10000
245026	212 238	< 1	0.01	10	480	856	40	2	3	0.03	< 10	< 10	29	10	1575
245027	212 238	2	0.03	14	1170	10	< 5	7	67	0.05	< 10	< 10	70	15	95
245028	212 238	458	0.02	11	260	10	< 5	5	6	0.02	< 10	< 10	97	60	373
245029+245030	212 238	244	0.02	14	680	< 2	< 5	6	10	0.16	< 10	< 10	137	40	212
245031	212 238	13	0.02	3	1070	< 2	< 5	8	38	0.35	< 10	< 10	137	15	32
245032	212 238	2	0.10	6	980	4	5	8	91	0.02	< 10	< 10	107	20	86
245033	212 238	2	0.03	11	1110	36	< 5	7	9	< 0.01	< 10	< 10	96	20	2450
245034	212 238	< 1	0.02	18	720	202	< 5	5	71	< 0.01	< 10	< 10	73	45	1835
245551	212 238	< 1	0.05	16	1210	6	< 5	15	37	0.53	< 10	< 10	201	25	130
245552	212 238	4	0.05	9	1460	20	< 5	6	57	0.28	< 10	< 10	103	15	61
245553	212 238	1	0.05	7	1380	< 2	< 5	7	31	0.46	< 10	< 10	116	20	40
245554	212 238	4	0.18	12	1320	< 2	< 5	7	60	0.31	< 10	< 10	83	15	30
245555	212 238	76	0.06	6	910	< 2	< 5	8	18	0.39	< 10	< 10	151	20	69
245556	212 238	2	0.03	6	760	6	< 5	6	44	0.27	< 10	< 10	80	5	75

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PL J88-01

Comments: ATTN: HENRY AWMAK

Page No. : 1
Tot. Pages: 2
Date : 15-AUG-88
Invoice # : I-8820315
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8820315

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
245035	212 ---	155	382	1	115	500	12.0	600	3.8		
245036	212 ---	150	260	1	68	133	13.2	290	12.4		
245037	212 ---	50	99	2	147	336	1.4	280	1.8		
245038	212 ---	125	44	5	307	680	4.8	300	5.2		
245039	212 ---	730	47	1	>10000	1620	>100.0	150	98.0		
245040	212 ---	660	34	5	7500	270	22.0	140	13.8		
245041	212 ---	270	4720	31	238	66	6.7	9	0.6		
245042	212 ---	50	630	4	105	135	1.1	16	5.0		
245043	212 ---	35	192	203	42	58	0.3	29	1.0		
245044	212 ---	40	353	11	43	41	0.2	19	0.9		
245045	212 ---	160	1960	1	132	610	13.5	360	4.6		
245046	212 ---	730	9300	3	4800	>10000	>100.0	420	300		
245047	212 ---	100	2310	2	122	372	10.0	230	7.0		
245048	212 ---	500	8560	1	232	2100	91.0	210	36.0		
245049	212 ---	80	419	5	61	2160	5.2	780	3.0		
245050	212 ---	105	217	3	53	660	3.1	270	6.4		
245601	212 ---	500	>10000	3	145	>10000	>100.0	620	2.8		
245602	212 ---	1650	6000	2	53	130	42.0	270	5.4		
245603	212 ---	65	1320	3	17	1300	5.7	39	1.8		
245604	212 ---	5900	>10000	400	72	860	28.0	41	5.2		
245605	212 ---	205	940	25	30	369	2.7	820	62.0		
245606	212 ---	240	1320	31	88	225	4.9	19	23.0		
245607	212 ---	40	560	4	6	99	0.3	12	1.6		
245608	212 ---	150	374	7	8	113	0.1	48	0.6		
245609	212 ---	>10000	>10000	>1000	2	146	>100.0	3	0.8		
245610	212 ---	40	1210	205	4	37	2.3	3	0.1		
245611	212 ---	290	2280	26	3	62	6.7	3	0.1		
245612	212 ---	1210	9680	9	3	155	18.7	3	0.1		
245613	212 ---	1140	7150	6	1	142	8.9	3	0.1		
245614	212 ---	>10000	>10000	88	1	151	>100.0	19	1.2		
245615	212 ---	120	1280	8	21	209	3.7	4	0.1		
245616	212 ---	95	700	14	7	72	1.5	7	0.6		
245617	212 ---	80	293	9	3	51	0.1	4	0.1		
245618	212 ---	70	109	7	1	63	0.1	5	0.2		
245619	212 ---	70	250	5	>10000	>10000	84.0	250	28.0		
245620	212 ---	15	121	2	520	2390	10.7	73	7.4		
245621	212 ---	30	215	3	830	>10000	9.1	80	4.6		
245622	212 ---	45	790	4	680	>10000	8.9	20	3.2		
245623	212 ---	40	292	14	>10000	>10000	>100.0	15	780		
245624	212 ---	120	570	2	9700	>10000	82.0	110	37.0		

CERTIFICATION :

Henry Awmak



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 BROOKSBANK AVE. NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: PL 188-01
 Comments: ATTN: HENRY AWACK

Page No.: 2
 Tot. Pages: 2
 Date: 15-AUG-88
 Invoice #: I-8820315
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8820315

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
245625	212 ---	60	103	1	128	650	1.4	4400	9.8		
245626	212 ---	170	5940	76	62	300	2.4	140	8.4		
245627	212 ---	610	4440	320	24	200	3.3	59	2.0		
245557	212 ---	10	122	1	5	72	0.1	14	4.2		
245558	212 ---	< 5	167	1	6	64	0.1	4	1.0		
245559	212 ---	< 5	267	1	5	110	0.1	9	0.6		
245560	212 ---	3500	>10000	11	8	195	49.0	63	2.4		
245561	212 ---	150	1260	1	3	24	1.1	5	3.8		

CERTIFICATION :

Hart Bickler



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 212 BROOKSBANK AVE., NORTH VANCOUVER,
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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: PLJ88-01
 Comments: ATTN: HENRY ARMACK

Page No.: 1-A
 Tot. Pages: 2
 Date: 27-AUG-88
 Invoice #: I-8821005
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821005

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	212	238	FATAA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
245503	212	238	15	2.07	1.0	40	60	< 0.5	< 2	0.70	< 0.5	12	46	174	7.66	< 10	< 1	0.44	< 10	2.54	703
245504	212	238	140	0.94	5.8	110	130	< 0.5	< 2	0.39	11.0	9	14	162	7.20	< 10	< 1	0.47	< 10	0.30	466
245505	212	238	25	2.01	5.8	85	130	< 0.5	< 2	1.95	49.0	8	41	399	9.25	10	5	1.06	10	1.05	829
245506	212	238	105	1.07	4.6	155	280	< 0.5	< 2	0.19	2.0	5	5	407	5.07	< 10	2	0.69	10	0.13	224
245507	212	238	1000	0.65	33.0	6610	40	< 0.5	< 2	0.05	8.5	3	13	1560	13.55	< 10	< 1	0.20	< 10	0.11	358
245508	212	238	1350	0.65	18.0	470	70	< 0.5	< 2	1.46	30.0	2	11	1330	8.83	< 10	6	0.26	10	0.15	2000
245509	212	238	1450	0.52	95.2	360	20	< 0.5	< 2	0.07	5.0	3	10	664	10.45	< 10	2	0.32	< 10	0.04	154
245510	212	238	1920	0.24	>200	485	10	< 0.5	< 2	0.04	>99.9	12	15	>10000	6.51	< 10	50	0.11	< 10	0.02	183
245511	212	238	1000	0.53	167.0	840	50	< 0.5	< 2	0.04	25.0	< 1	9	1690	14.95	< 10	4	0.27	< 10	0.03	811
245512	212	238	1180	0.44	137.5	8240	10	< 0.5	< 2	0.05	68.5	3	15	8430	13.75	< 10	9	0.20	< 10	0.03	1575
245562	212	238	85	0.63	18.4	505	70	< 0.5	< 2	0.75	7.5	4	6	1025	9.99	< 10	< 1	0.35	10	0.08	373
245563	212	238	20	3.19	3.0	70	620	< 0.5	< 2	4.53	1.5	11	27	258	5.13	10	1	2.18	< 10	1.84	989
245628	212	238	1370	1.75	16.8	30	60	< 0.5	< 2	0.74	2.0	27	36	>10000	6.52	10	< 1	0.24	10	1.53	493
245629	212	238	500	2.07	5.4	30	190	< 0.5	< 2	3.03	1.5	27	16	5500	4.60	10	< 1	0.84	10	1.25	677
245630	212	238	130	2.00	2.6	45	70	< 0.5	< 2	0.74	< 0.5	100	17	2070	10.55	10	< 1	0.36	10	1.23	403
245631	212	238	100	2.61	4.8	< 5	90	< 0.5	< 2	1.14	< 0.5	64	12	5970	7.93	10	< 1	0.58	10	1.86	542
245637	212	238	70	1.87	< 0.2	< 5	50	< 0.5	< 2	1.67	< 0.5	70	29	28	5.52	10	1	0.14	10	1.32	623
245638	212	238	40	2.97	< 0.2	< 5	3210	< 0.5	< 2	4.24	0.5	10	24	86	5.14	10	1	0.32	10	2.19	835
245639	212	238	25	1.25	< 0.2	< 5	190	< 0.5	< 2	3.91	< 0.5	8	11	94	4.07	< 10	< 1	0.63	10	1.55	825
245640	212	238	10	0.64	1.2	< 5	110	< 0.5	< 2	3.04	1.5	5	8	152	3.13	< 10	< 1	0.37	10	0.91	677
245641	212	238	15	0.71	< 0.2	< 5	310	< 0.5	< 2	4.39	< 0.5	11	11	162	4.91	< 10	< 1	0.42	< 10	1.41	1020
245642	212	238	5	0.30	0.4	< 5	170	< 0.5	< 2	0.76	10.0	< 1	13	17	0.84	< 10	< 1	0.21	10	0.04	985
245643	212	238	< 5	0.81	< 0.2	10	4790	< 0.5	< 2	10.95	< 0.5	11	35	32	4.50	< 10	< 1	0.25	< 10	1.39	1235
245644	212	238	345	0.57	< 0.2	70	230	< 0.5	< 2	7.06	0.5	9	15	508	4.96	< 10	< 1	0.15	< 10	1.77	1530
245645	212	238	5	2.22	< 0.2	< 5	60	< 0.5	< 2	2.74	0.5	15	22	10	5.87	< 10	< 1	0.23	10	2.67	1340
245646	212	238	5	2.08	< 0.2	< 5	30	< 0.5	< 2	0.81	< 0.5	5	8	84	5.71	< 10	1	0.13	10	2.37	571
245647	212	238	235	0.39	1.4	115	40	< 0.5	< 2	3.29	53.0	4	7	51	10.90	< 10	18	0.17	< 10	1.23	1299
245648	212	238	10	1.16	< 0.2	5	50	< 0.5	< 2	3.07	1.5	7	11	61	6.95	< 10	1	0.27	10	2.63	815
245649	212	238	390	0.83	2.4	585	10	< 0.5	< 2	0.26	14.5	< 1	14	101	>15.00	< 10	1	0.33	< 10	0.24	221
245650	212	238	140	1.07	1.8	240	30	< 0.5	< 2	1.75	0.5	2	10	343	14.15	< 10	< 1	0.42	10	0.51	459
245651	212	238	445	0.66	4.8	350	20	< 0.5	< 2	3.71	>99.9	3	11	68	13.35	10	8	0.27	< 10	0.20	1715
245652	212	238	25	3.98	< 0.2	< 5	70	< 0.5	< 2	0.62	2.5	16	12	299	9.95	< 10	1	0.91	10	2.83	479
245653	212	238	100	4.30	< 0.2	10	100	< 0.5	< 2	1.13	0.5	21	90	191	9.68	< 10	< 1	1.64	10	3.59	488
245654	212	238	< 5	0.28	1.0	< 5	220	< 0.5	< 2	0.29	< 0.5	< 1	6	5	4.24	10	< 1	0.11	70	0.10	2620
245655	212	238	540	2.64	8.0	20	20	< 0.5	< 2	0.35	1.0	96	20	2460	>15.00	< 10	< 1	0.65	< 10	1.69	388

CERTIFICATION:



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 212 BROOKSBANK AVE., NORTH VANCOUVER,
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10: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project : PLJ88-01
 Comments: ATTN: HENRY ARMACK

Page No. : 1-B
 Tot. Pages: 2
 Date : 27-AUG-88
 Invoice # : I-8821005
 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821005

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
245503	212 238	2	0.02	14	1480	48	5	9	32	< 0.01	< 10	< 10	91	< 5	197
245504	212 238	2	0.01	14	1190	556	5	5	11	0.07	< 10	< 10	33	< 5	2200
245505	212 238	3	0.01	9	980	224	< 5	14	59	0.15	< 10	< 10	127	10	7670
245506	212 238	11	0.01	2	1070	178	5	2	6	< 0.01	< 10	< 10	19	5	511
245507	212 238	12	0.01	7	190	1180	30	2	4	< 0.01	< 10	< 10	21	< 5	1685
245508	212 238	9	0.01	10	400	222	15	2	62	0.01	< 10	< 10	23	80	4060
245509	212 238	6	0.01	10	10	2360	25	1	6	< 0.01	< 10	< 10	12	5	882
245510	212 238	3	0.01	10	350	>10000	690	1	3	< 0.01	< 10	< 10	4	320	>10000
245511	212 238	9	0.01	7	690	>10000	75	2	9	0.01	< 10	< 10	13	< 5	4940
245512	212 238	8	0.01	11	40	2000	75	2	2	< 0.01	10	10	8	380	>10000
245562	212 238	48	0.01	5	930	494	10	3	86	< 0.01	10	< 10	26	20	1415
245563	212 238	3	0.03	10	1350	86	< 5	9	352	0.21	< 10	< 10	131	5	378
2455628	212 238	70	0.05	98	430	68	< 5	8	21	0.06	< 10	< 10	163	35	472
2455629	212 238	31	0.11	23	690	32	< 5	4	49	0.07	< 10	< 10	107	10	180
2455630	212 238	48	0.05	13	670	12	5	5	80	0.26	< 10	< 10	165	70	91
245631	212 238	18	0.04	54	480	6	< 5	4	64	0.35	< 10	< 10	240	30	123
245637	212 238	4	0.06	11	420	4	< 5	9	87	0.23	< 10	< 10	120	10	55
245638	212 238	2	0.05	8	1340	14	5	13	252	0.05	< 10	< 10	150	10	93
245639	212 238	2	0.07	12	970	38	< 5	3	288	< 0.01	< 10	< 10	31	5	69
245640	212 238	1	0.05	5	1060	96	< 5	2	225	< 0.01	< 10	< 10	14	5	259
245641	212 238	5	0.03	9	730	4	< 5	4	180	< 0.01	< 10	< 10	18	20	56
245642	212 238	1	0.04	8	30	56	< 5	< 1	18	< 0.01	< 10	< 10	1	5	400
245643	212 238	2	0.02	36	360	6	< 5	5	402	< 0.01	< 10	< 10	47	20	68
245644	212 238	4	0.01	8	460	18	5	4	338	< 0.01	< 10	< 10	20	20	106
245645	212 238	1	0.04	11	1510	14	< 5	12	37	0.11	< 10	< 10	165	15	176
245646	212 238	2	0.04	6	2080	< 2	< 5	11	35	0.16	< 10	< 10	170	20	111
245647	212 238	3	0.01	5	650	656	< 5	3	104	< 0.01	< 10	10	10	55	8040
245648	212 238	1	0.04	11	1290	24	< 5	11	107	< 0.01	< 10	< 10	77	35	351
245649	212 238	10	0.01	9	350	442	5	3	20	0.04	20	10	29	95	2580
245650	212 238	5	0.01	7	480	140	< 5	4	92	0.01	10	< 10	39	25	228
245651	212 238	4	0.01	6	330	612	< 5	2	46	0.02	10	10	12	105	>10000
245652	212 238	2	0.03	5	610	2	< 5	15	23	0.50	< 10	< 10	193	10	589
245653	212 238	15	0.04	17	1860	< 2	< 5	14	34	0.63	< 10	< 10	220	10	192
245654	212 238	8	0.05	3	180	6	< 5	1	13	0.03	< 10	< 10	2	5	126
245655	212 238	172	0.04	119	900	14	5	7	17	0.14	< 10	< 10	182	60	242

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PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ84-01

Comments: ATTN: HENRY ANMACK

Page No.: 2-A

Tot. Pages: 2

Date: 27-AUG-88

Invoice #: I-8821005

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821005

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FATAA																		
245656	212	238	385	3.22	7.2	20	160	< 0.5	< 2	1.49	2.0	80	39	4470	10.95	10	< 1	2.27	10	1.62	735
245657	212	238	3850	3.37	4.6	< 5	410	< 0.5	< 2	0.72	< 0.5	13	265	>10000	8.05	< 10	1	2.65	10	3.64	630
245658	212	238	70	1.97	1.4	< 5	180	1.0	< 2	0.89	< 0.5	35	18	622	10.45	10	< 1	0.54	10	1.37	417
245659	212	238	160	1.29	2.0	5	140	0.5	< 2	0.91	< 0.5	17	15	407	7.22	< 10	< 1	0.73	20	0.83	321
245660	212	238	15	0.76	0.4	25	150	0.5	< 2	3.24	1.0	11	4	200	5.99	10	< 1	0.42	20	0.38	886
245661	212	238	10	0.43	< 0.2	15	80	0.5	< 2	13.95	< 0.5	4	4	167	2.48	< 10	< 1	0.26	< 10	0.45	1240
245662	212	238	630	0.42	45.0	55	50	< 0.5	38	1.82	>99.9	13	10	284	5.37	10	< 1	0.18	10	0.67	800
245663	212	238	600	0.60	1.4	5	140	0.5	46	5.80	2.5	3	8	306	5.93	< 10	< 1	0.31	< 10	0.17	573
245664	212	238	65	0.81	2.8	110	140	1.0	< 2	0.86	14.0	7	4	138	5.32	10	< 1	0.44	20	0.13	375
245665	212	238	15	1.66	< 0.2	< 5	50	0.5	< 2	2.37	< 0.5	16	13	189	6.88	10	< 1	0.09	20	2.08	573
245666	212	238	35	1.77	0.6	5	40	0.5	< 2	1.47	< 0.5	34	14	839	8.20	20	< 1	0.08	20	1.59	620
245667	212	238	25	1.62	0.6	< 5	50	< 0.5	< 2	0.98	< 0.5	9	8	553	6.69	10	< 1	0.08	20	1.54	479

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212 BROOKSBANK AVE. NORTH VANCOUVER,
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PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ88-01

Comments: ATTN: HENRY AWACK

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Tot. Pages: 2

Date : 27-AUG-88

Invoice #: I-8821005

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821005

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
245656	212	238	6	0.03	25	1340	8	5	9	43	0.36	10	10	429	10	225
245657	212	238	4	0.04	79	330	< 2	5	5	34	0.33	< 10	< 10	184	50	175
245658	212	238	14	0.04	7	1500	< 2	< 5	4	89	0.27	10	< 10	259	25	55
245659	212	238	41	0.06	9	1340	8	< 5	3	108	0.33	< 10	< 10	134	15	43
245660	212	238	7	0.03	6	1450	18	< 5	4	560	0.01	< 10	< 10	46	5	144
245661	212	238	8	0.01	2	410	14	< 5	3	1505	< 0.01	< 10	< 10	23	10	70
245662	212	238	3	0.02	4	250	9870	5	1	268	< 0.01	10	< 10	24	30	>10000
245663	212	238	7	0.01	8	690	142	< 5	1	347	< 0.01	< 10	< 10	12	10	151
245664	212	238	12	0.02	5	1440	278	< 5	3	163	< 0.01	10	< 10	48	10	1145
245665	212	238	4	0.04	6	1220	8	< 5	8	49	0.26	< 10	< 10	234	20	64
245666	212	238	2	0.03	9	1300	< 2	< 5	9	32	0.26	10	< 10	269	20	99
245667	212	238	4	0.02	6	1590	< 2	< 5	7	35	0.29	< 10	< 10	237	15	54

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Project: PLJ88-01

Comments: ATTN: HENRY AWMAK

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Date: 8-OCT-88

Invoice #: I-8824584

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824584

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			Fa+AA																		
358156	212	238	220	3.55	1.2	< 5	60	< 0.5	< 2	0.72	< 0.5	34	18	2650	9.82	< 10	< 1	0.40	20	2.24	401
358157	212	238	1320	0.44	172.5	85	80	< 0.5	< 2	8.38	>99.9	14	10	>10000	14.70	10	15	0.09	< 10	3.84	>10000
358158	212	238	7440	2.94	81.8	< 5	110	0.5	< 2	1.37	14.5	15	10	>10000	8.50	< 10	< 1	0.84	10	0.70	1040
358159	212	238	2490	2.39	36.0	30	30	0.5	< 2	0.97	3.0	25	15	>10000	8.98	< 10	< 1	0.70	10	0.52	627
358160	212	238	160	1.38	3.4	10	60	< 0.5	< 2	0.55	< 0.5	15	11	1035	6.73	< 10	< 1	0.28	10	0.50	459
358161	212	238	6190	2.58	109.0	50	20	< 0.5	< 2	1.39	7.0	8	15	>10000	10.20	< 10	< 1	0.54	10	0.43	815

CERTIFICATION :

B. Coughlin



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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ88-01

Comments: ATTN: HENRY AMMACK

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Date: 8-OCT-88

Invoice #: I-8824584

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CERTIFICATE OF ANALYSIS A8824584

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
358156	212	238	11	0.04	14	880	< 2	5	17	25	0.25	< 10	< 10	177	< 5	72
358157	212	238	< 1	< 0.01	8	60	>10000	105	7	97	0.01	10	< 10	40		>10000
358158	212	238	14	0.19	17	1290	296	< 5	10	55	0.12	10	< 10	109	< 5	1955
358159	212	238	< 1	0.14	13	1410	26	< 5	6	25	0.09	< 10	< 10	73	< 5	300
358160	212	238	1	0.03	9	350	28	< 5	2	45	0.22	< 10	< 10	136	50	68
358161	212	238	4	0.05	11	1360	2	< 5	6	24	0.09	< 10	< 10	80	< 5	1025

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VANCOUVER, BC

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Project: PLJ88-01

Comments: ATTN: HENRY AWMAKX

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Date : 11-AUG-88

Invoice #: I-8820703

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8820703

SAMPLE DESCRIPTION	PREP CODE		Au FA oz/T									
245026	214	--	0.328									

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CERTIFICATE OF ANALYSIS A8820933

SAMPLE DESCRIPTION	PREP CODE	Au FA	oz/T									
245609 245614	214 214	-- --	0.230 0.428									



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Project: PLJ-88-01

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CERTIFICATE OF ANALYSIS A8821981

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Cu %	Pb %	Zn %					
149778	214 ---	0.076	2.09	1.32	-----	-----					
245010	214 ---	0.036	7.81	5.22	0.42	1.06					
245021	214 ---	0.086	2.60	0.80	-----	-----					
245025	214 ---	0.112	0.72	-----	-----	3.53					
245028	214 ---	0.240	0.68	8.00	-----	-----					
245029 & 245030	214 ---	0.146	0.28	3.71	-----	-----					
245031	214 ---	0.086	0.16	0.67	-----	-----					
245039	214 ---	0.026	6.31	-----	6.71	-----					
245046	214 ---	0.020	3.01	0.86	0.57	1.46					
245601	214 ---	0.016	1.40	0.60	-----	0.05					
245604	214 ---	0.170	0.84	2.97	-----	-----					
245609	214 ---	-----	4.73	9.73	-----	-----					
245614	214 ---	-----	3.55	1.76	-----	-----					
245623	214 ---	< 0.003	49.1	-----	14.80	16.40					
245560	214 ---	0.112	1.58	4.14	-----	-----					

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CERTIFICATION :

W. G. Morrison



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 BRITISH COLUMBIA, CANADA V7J-2C1
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to: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: PLJ 88-01
 Comments: ATTN: HENRY AWMAK

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 Date: 19-SEP-88
 Invoice #: I-8823092
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8823092

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Cu %	Pb %	Zn %			
245510	214 --	0.044	23.6	1.00	9.15	20.5			
245511	214 --	0.026	5.37	0.15	2.03	0.44			
245512	214 --	0.034	4.61	0.79	0.23	1.26			
245657	214 --	0.122	0.15	2.27	-----	-----			

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406 - 675 W. HASTINGS ST.
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V6B 1N2

Project: PLJ88-01

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Invoice #: 1-8824583
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824583

SAMPLE DESCRIPTION	PREP CODE	Au FA oz/T	Ag FA oz/T	Cu %	Pb %	Zn %	As NAA %				
358162	207 --	0.256	0.42	5.31	< 0.01	0.03	0.004				
358163	207 --	0.098	0.36	4.11	< 0.01	0.03	< 0.001				

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Project: PLJ 88-01

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 Date: 20-OCT-88
 Invoice #: I-8825451
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8825451

SAMPLE DESCRIPTION	PREP CODE	Au FA oz/T	Ag FA oz/T	Cu %	Pb %	Zn %					
358157	214 --	0.034	5.47	4.73	2.25	1.39					
358158	214 --	0.208	2.27	2.96	-----	0.16					
358159	214 --	0.068	0.87	1.24	-----	-----					
358161	214 --	0.222	3.42	1.12	-----	0.08					

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CERTIFICATION: *W. Stan American*



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 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project : PLJ 88-01
 Comments: ATTN: HENRY AMMACK

Page No. : 1-B
 Tot. Pages: 1
 Date : 15-JUL-88
 Invoice # : I-8818348
 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8818348

SAMPLE DESCRIPTION	PREP CODE		Mb	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
IRSH1	235	238	2	0.04	47	1290	96	< 5	8	58	0.28	< 10	< 10	149	15	114
IRSH2	235	238	1	0.03	31	1590	32	< 5	8	92	0.20	< 10	< 10	160	< 5	80
IRSH3	235	238	< 1	0.03	30	1580	24	< 5	8	94	0.19	< 10	< 10	160	< 5	74
IRSH4	235	238	< 1	0.05	17	1430	20	< 5	9	81	0.15	< 10	< 10	147	< 5	70
IRSH5	235	238	3	0.08	8	970	16	< 5	4	82	0.10	< 10	< 10	104	10	81
IRSH6	235	238	8	0.04	9	820	20	< 5	4	58	0.06	< 10	< 10	97	15	101
IRSH7	235	238	1	0.11	9	1190	18	< 5	5	107	0.16	< 10	< 10	124	10	67
IRSH8	235	238	7	0.05	12	830	8	< 5	4	71	0.07	< 10	< 10	111	30	135
IRSH9	235	238	1	0.11	16	1320	6	< 5	10	184	0.21	< 10	< 10	177	20	61

CERTIFICATION :



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: PLJ 88-01
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Page No.: 1-A
 Tot. Pages: 1
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CERTIFICATE OF ANALYSIS A8818348

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA																		
IRSH1	235	238	60	2.80	1.0	55	70	< 0.5	< 2	1.77	< 0.5	41	82	405	5.92	< 10	< 1	0.16	20	1.91	612
IRSH2	235	238	30	1.75	0.6	40	160	< 0.5	< 2	1.38	< 0.5	24	62	180	4.99	< 10	< 1	0.17	20	1.59	746
IRSH3	235	238	2500	1.58	0.4	25	180	< 0.5	< 2	1.36	< 0.5	27	66	150	5.07	< 10	< 1	0.16	20	1.48	724
IRSH4	235	238	5	2.02	0.2	5	120	< 0.5	2	1.12	< 0.5	22	33	100	4.78	< 10	< 1	0.19	20	1.61	844
IRSH5	235	238	10	1.53	0.4	20	170	< 0.5	< 2	0.77	< 0.5	16	30	102	5.03	< 10	< 1	0.41	10	0.79	548
IRSH6	235	238	25	0.97	0.8	40	90	< 0.5	2	0.55	< 0.5	23	26	143	7.25	< 10	< 1	0.23	20	0.46	418
IRSH7	235	238	155	1.99	0.2	< 5	170	< 0.5	< 2	1.08	< 0.5	16	25	77	4.26	< 10	< 1	0.49	10	1.09	607
IRSH8	235	238	275	1.04	0.8	10	100	< 0.5	2	0.66	0.5	24	40	123	7.93	< 10	< 1	0.27	20	0.46	402
IRSH9	235	238	195	2.59	0.2	15	260	< 0.5	2	1.51	< 0.5	22	99	105	5.92	< 10	< 1	0.48	20	1.44	722

CERTIFICATION :



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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ88-01

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Date: 9-AUG-88

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CERTIFICATE OF ANALYSIS A8819848

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
BL 0+00N	201	< 5	7		1	12	32	0.1	7		0.1
BL 0+25N	201	15	5		3	21	32	0.1	9		1.4
BL 0+50N	201	< 5	13		1	4	30	0.1	7		0.1
BL 0+75N	203	< 5	12		1	3	78	0.1	7		0.1
BL 1+00N	201	5	4		2	11	29	0.1	6		0.1
BL 1+25N	201	< 5	33		1	6	20	0.5	6		0.1
BL 1+50N	203	10	5		1	4	63	0.1	6		0.1
BL 1+75N	203	< 5	38		1	1	45	0.8	14		4.8
BL 2+00N	201	< 5	4		1	7	28	0.1	7		0.1
BL 2+25N	203	25	8		1	8	48	0.1	7		0.1
BL 2+50N	201	15	6		1	6	38	0.1	6		0.1
BL 2+75N	203	20	231		1	1	58	0.1	6		0.1
BL 3+00N	203	< 5	13		1	2	55	0.2	5		0.1
BL 3+25N	201	< 5	16		1	5	32	0.3	9		0.1
BL 3+50N	203	< 5	5		1	6	43	0.2	9		0.1
BL 3+75N	201	< 5	257		2	4	61	0.2	41		0.1
BL 4+00N	203	< 5	421		2	4	118	0.3	36		0.1
BL 4+25N	201	< 5	58		1	4	47	0.2	36		0.1
BL 4+50N	203	< 5	93		5	7	60	0.2	53		0.1
BL 4+75N	201	10	1150		6	5	53	0.4	67		0.1
BL 5+00N	201	< 30	47		2	5	33	0.9	9		0.1
BL 5+25N	203	< 5	24		3	4	45	0.3	7		0.1
BL 5+50N	201	65	760		7	6	160	0.6	410		1.0
BL 5+75N	201	15	23		2	15	39	0.3	16		0.2
BL 5+90N	203	< 5	11		1	3	33	0.4	4		0.1
0+00N 0+25E	201	< 5	5		1	4	40	0.1	4		0.1
0+00N 0+50E	203	< 5	21		1	6	57	0.7	6		0.1
0+00N 0+75E	201	10	5		1	10	42	0.1	6		0.6
0+00N 1+00E	203	< 5	5		1	7	45	0.3	6		0.2
0+00N 1+25E	203	25	5		1	13	39	0.3	4		0.1
0+00N 1+50E	201	10	5		1	8	27	0.3	3		0.1
0+00N 1+75E	201	10	4		1	12	31	0.1	4		0.2
0+00N 2+00E	203	10	6		1	12	46	0.1	5		0.1
0+00N 2+25E	201	10	13		1	12	31	0.1	4		0.1
0+00N 2+50E	201	< 5	3		1	7	34	0.1	4		0.1
1+00N 0+25E	201	< 5	2		1	5	27	0.1	5		0.1
1+00N 0+50E	203	< 5	4		1	1	45	0.1	3		0.1
1+00N 0+75E	201	25	10		1	10	33	1.0	5		1.2
1+00N 1+00E	201	< 5	146		2	20	57	0.1	65		1.0
1+00N 1+25E	201	< 5	4		3	7	26	0.1	7		0.2

CERTIFICATION :

Jan Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ88-01

Comments: ATTN: HENRY ANMACK

Page No. : 2

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Date : 9-AUG-88

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CERTIFICATE OF ANALYSIS A8819848

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
1+00N 1+50E	201	80	6	2	22	32	0.1	10	0.8		
1+00N 1+75E	201	< 5	5	1	26	34	0.1	7	0.6		
1+00N 2+00E	201	< 5	4	2	4	31	0.1	6	0.1		
1+00N 2+25E	201	< 5	5	1	13	35	0.1	5	0.2		
1+00N 2+50E	203	< 10	5	1	4	68	0.4	5	0.1		
1+00N 2+75E	201	< 5	37	3	13	83	0.1	20	1.0		
1+00N 3+00E	201	< 5	27	3	11	47	0.3	11	0.8		
2+00N 0+25E	201	< 5	4	1	5	26	0.1	4	0.4		
2+00N 0+50E	201	685	930	206	6	44	0.7	15	2.2		
2+00N 0+75E	203	< 5	44	2	5	65	0.5	6	0.1		
2+00N 1+00E	201	< 5	5	1	12	30	0.1	5	0.1		
2+00N 1+25E	201	< 5	5	1	5	41	0.1	5	0.1		
2+00N 1+50E	201	< 5	15	1	6	36	0.1	5	0.1		
2+00N 1+75E	201	< 5	5	1	7	35	0.1	5	0.1		
2+00N 2+00E	201	< 5	4	1	6	23	0.1	5	0.1		
2+00N 2+25E	201	< 5	3	1	5	31	0.1	4	0.1		
2+00N 2+50E	203	< 5	4	1	4	30	0.5	5	0.1		
2+00N 2+75E	203	< 5	37	1	1	129	0.1	5	0.1		
2+00N 3+00E	217	< 10	24	2	4	30	0.3	6	0.1		
3+00N 0+25E	203	< 5	116	1	3	70	0.1	7	0.1		
3+00N 0+50E	203	< 10	8	2	4	35	0.1	6	0.1		
3+00N 0+75E	201	< 5	2	2	5	29	0.1	6	0.1		
3+00N 1+00E	201	< 5	160	1	5	34	0.4	6	0.1		
3+00N 1+25E	203	1190	300	6	4	24	0.7	6	0.1		
3+00N 1+50E	201	< 5	13	2	7	32	0.1	6	0.1		
3+00N 1+75E	201	< 5	5	1	6	31	0.1	5	0.1		
3+00N 2+00E	201	< 5	3	1	3	14	0.1	5	0.2		
3+00N 2+25E	201	< 5	22	4	9	44	1.0	10	0.1		
3+00N 2+50E	203	< 5	4	1	3	33	0.5	6	0.1		
3+00N 2+75E	203	< 5	3	2	3	35	0.3	6	0.2		
3+00N 3+00E	201	< 5	3	1	6	23	0.5	6	0.1		
3+00N 3+25E	201	< 5	3	1	7	20	0.1	5	0.1		
3+00N 3+50E	201	< 5	4	2	5	19	0.1	5	0.1		
3+00N 3+75E	201	< 70	41	2	10	49	1.2	15	0.6		
4+00N 0+25E	203	< 5	36	2	5	72	0.6	35	0.8		
4+00N 0+50E	201	< 5	31	3	10	51	0.8	27	14.6		
4+00N 0+75E	203	10	15	1	6	33	0.1	9	0.2		
4+00N 1+00E	201	10	21	5	8	38	0.4	17	0.1		
4+00N 1+25E	203	1920	930	50	2	49	3.7	33	0.6		
4+00N 1+50E	201	25	191	3	35	237	0.3	45	1.0		

CERTIFICATION :

Jan Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

112 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0211

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ88-01

Comments: ATTN: HENRY AWMAK

Page No. : 3

Tot. Pages: 4

Date : 9-AUG-88

Invoice #: I-8819848

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8819848

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mn ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
4+00N 1+75E	201	--	< 15	66	2	8	78	0.9	16	1.0	
4+00N 2+00E	203	---	< 5	12	1	2	85	0.1	5	0.1	
4+00N 2+25E	201	---	< 15	5	1	10	30	0.1	5	0.2	
4+00N 2+50E	203	---	< 5	11	2	5	42	0.2	6	0.1	
4+00N 2+75E	201	---	< 5	3	2	5	23	0.1	6	0.1	
4+00N 3+00E	201	---	< 5	5	1	9	32	0.1	5	0.1	
4+00N 3+25E	201	---	< 5	67	2	12	116	0.4	16	0.6	
4+00N 3+50E	203	---	< 5	35	2	6	68	1.9	6	0.1	
4+00N 3+75E	201	---	< 25	20	1	12	26	1.4	11	0.1	
5+00N 0+25E	203	---	< 5	8	1	2	65	0.4	5	0.1	
5+00N 0+50E	201	---	< 5	5	1	4	47	0.2	15	0.1	
5+00N 0+75E	201	---	< 5	3	2	6	19	0.3	6	0.2	
5+00N 1+00E	201	---	< 5	2	1	1	19	0.1	5	0.2	
5+00N 1+25E	203	---	< 5	13	3	7	38	0.2	11	0.4	
5+00N 1+50E	201	---	700	1180	25	8	111	0.8	48	1.2	
5+00N 1+75E	201	---	25	444	4	18	144	1.4	30	0.8	
5+00N 2+00E	201	---	10	25	2	15	41	0.4	16	0.4	
5+00N 2+25E	201	---	25	55	3	28	99	2.1	33	0.6	
5+00N 2+50E	201	---	< 10	20	2	8	35	0.3	11	0.2	
5+00N 2+75E	201	---	< 5	35	1	9	39	0.4	9	0.2	
5+00N 3+00E	201	---	10	6	1	6	24	0.5	7	0.2	
5+00N 3+25E	201	---	10	76	6	31	95	0.6	30	0.8	
5+00N 3+50E	201	---	15	13	1	7	28	1.2	9	0.2	
5+00N 3+75E	203	---	20	41	2	13	66	1.8	11	0.6	
5+00N 4+00E	203	---	15	22	3	10	32	0.4	6	0.1	
5+00N 4+25E	201	---	5	9	1	4	30	0.7	9	0.2	
5+00N 4+50E	203	---	< 10	57	1	18	71	0.4	9	0.1	
5+75N 0+25E	203	---	< 5	7	1	3	68	0.6	5	0.1	
5+75N 0+50E	203	---	< 10	5	1	2	41	0.2	5	0.1	
5+75N 0+75E	201	---	< 5	3	1	4	24	0.1	7	0.1	
5+75N 1+00E	203	---	< 5	15	1	2	36	0.3	5	0.1	
1+00S 0+25E	201	---	< 5	11	1	9	26	0.1	6	0.1	
1+00S 0+50E	203	---	20	46	3	7	47	0.1	12	0.2	
1+00S 0+75E	201	---	40	6	1	9	38	0.1	7	0.2	
1+00S 1+00E	203	---	15	86	2	9	45	0.3	9	0.1	
1+00S 1+25E	201	---	< 20	21	1	9	32	0.3	5	0.1	
1+00S 1+50E	201	---	< 5	4	1	8	24	0.1	6	0.1	
1+00S 1+75E	201	---	< 5	11	1	17	30	0.1	11	0.2	
1+00S 2+00E	203	---	< 5	66	1	7	36	0.4	6	0.1	
1+00S 2+25E	203	---	30	12	1	4	51	0.1	7	0.2	

CERTIFICATION :

Hart Bickler



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 212 BROOKSBANK AVE., NORTH VANCOUVER,
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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: PLJ88-01

Comments: ATTN: HENRY ARMACK

Page No.: 4
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CERTIFICATE OF ANALYSIS A8819848

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
1+00S 2+50E	201	55	4	1	2	24	0.2	5	0.1		
2+00S 0+25E	201	290	82	4	3	43	0.1	24	0.4		
2+00S 0+50E	201	10	19	2	21	30	0.1	10	0.6		
2+00S 0+75E	201	< 5	20	1	25	29	0.3	7	0.2		
2+00S 1+00E	201	100	73	5	42	44	4.2	22	0.8		
2+00S 1+25E	201	50	48	2	15	31	0.5	11	0.4		
2+00S 1+50E	201	5	34	1	10	30	0.3	9	0.2		
2+00S 1+75E	201	10	25	2	13	48	0.5	14	0.3		
2+00S 2+00E	201	20	8	2	6	26	0.2	12	0.4		
2+00S 2+25E	201	30	5	1	5	18	0.1	6	0.2		
2+00S 2+40E	201	< 5	5	1	2	35	0.5	5	0.1		
3+00S 0+25E	201	< 5	9	2	6	25	0.4	9	0.4		
3+00S 0+50E	201	< 5	12	2	9	33	0.2	17	0.1		
3+00S 0+75E	201	< 5	3	1	4	25	0.3	6	0.1		
3+00S 1+00E	201	10	9	1	7	25	0.1	7	0.1		
3+00S 1+25E	201	< 5	3	1	3	41	0.1	7	0.1		
3+00S 1+50E	201	< 5	12	2	7	36	0.2	7	0.1		
3+00S 1+75E	201	< 5	50	2	3	39	0.3	12	0.1		
3+00S 2+00E	201	< 5	40	2	10	39	0.2	14	0.2		
3+00S 2+25E	201	50	28	2	5	44	0.3	16	0.4		
BL 0+25S	201	< 5	4	1	11	25	0.1	5	0.1		
BL 0+50S	201	< 5	14	1	8	20	0.1	35	0.1		
BL 0+75S	201	< 5	5	1	6	35	0.1	6	0.1		
BL 1+00S	201	< 5	3	1	9	20	0.1	5	0.1		
BL 1+25S	201	< 5	10	1	7	28	0.2	4	0.1		
BL 1+50S	201	< 5	15	1	7	33	0.2	6	0.1		
BL 1+75S	201	< 5	4	2	7	28	0.1	4	0.1		
BL 2+00S	201	245	48	3	16	30	0.1	6	0.2		
BL 2+25S	201	< 5	7	1	8	29	0.2	6	0.1		
BL 2+50S	201	< 5	12	1	9	31	0.1	5	0.4		
BL 2+75S	201	< 5	24	1	6	43	0.2	25	0.8		
BL 3+00S	201	< 5	7	1	8	22	0.1	5	0.1		
BL 3+25S	201	< 5	8	1	11	36	0.1	7	0.1		
BL 3+50S	201	< 5	10	1	6	22	0.2	5	0.1		
BL 3+75S	201	< 5	11	1	10	41	0.1	9	0.2		
BL 4+00S	201	< 5	4	1	9	25	0.1	6	0.1		

CERTIFICATION :

Henry Buchler



Chemex Labs Ltd.

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 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

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CERTIFICATE OF ANALYSIS A8820270

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm	Cu ppm	
4+00S 0+25E	202	< 5		3	9	41		7	0.1	15
4+00S 0+50E	202	< 5		1	15	40		11	0.1	12
4+00S 0+75E	202	< 5		1	7	25		1	0.1	1
4+00S 1+00E	203	< 5		3	24	56		9	0.1	23
4+00S 1+25E	202	< 5		2	10	32		3	0.1	3
4+00S 1+50E	203	< 5		5	36	110		12	0.8	77
4+00S 1+75E	202	< 5		1	13	51		10	0.1	74
4+00S 2+00E	202	20		2	10	77		10	0.1	185
4+00S 2+25E	202	15		2	9	86		16	0.1	303
4+00S 2+50E	202	20		4	11	70		32	0.2	198
4+00S 2+75E	202	15		2	9	47		20	0.1	157
5+00S 0+25E	202	< 5		1	10	54		3	0.1	59
5+00S 0+50E	203	40		1	12	42		3	0.1	16
5+00S 0+75E	202	5		1	9	28		2	0.1	6
5+00S 1+00E	203	25		1	13	34		2	0.1	7
5+00S 1+25E	202	< 5		1	6	30		2	0.1	7
5+00S 1+50E	217	< 5		1	4	65		4	0.1	46
5+00S 1+75E	202	< 5		1	2	29		2	0.1	6
5+00S 2+00E	202	< 5		1	8	44		2	0.1	15
5+00S 2+25E	202	10		2	18	67		5	0.1	49
5+00S 2+50E	202	< 5		3	11	72		9	0.1	61
6+00S 0+25E	202	< 5		2	3	27		2	0.1	8
6+00S 0+50E	202	< 5		3	6	36		3	0.1	15
6+00S 0+75E	202	< 5		3	6	47		5	0.1	31
6+00S 1+00E	202	< 5		1	6	33		3	0.1	8
6+00S 1+25E	202	< 5		1	5	33		2	0.1	1
6+00S 1+50E	202	< 5		1	3	24		2	0.1	1
6+00S 1+75E	202	< 5		2	7	30		2	0.1	13
7+00S 0+25E	202	< 5		3	6	39		3	0.1	9
7+00S 0+50E	203	< 5		1	4	22		1	0.1	1
7+00S 0+75E	202	< 5		1	8	26		1	0.1	1
7+00S 1+00E	203	< 5		2	6	52		57	0.1	20
7+00S 1+25E	217	< 5		1	6	45		2	0.1	16
7+00S 1+50E	202	30		1	6	33		2	0.1	19
7+00S 1+75E	202	40		2	13	35		4	0.1	16
7+00S 2+10E	202	15		2	2	42		14	0.1	36
7+00S 2+25E	202	< 5		3	9	30		3	0.1	5
7+00S 2+50E	202	30		3	8	48		9	0.1	49
8+00S 0+25E	202	< 5		2	5	93		12	0.1	27
8+00S 0+50E	202	< 5		2	6	55		7	0.1	14

CERTIFICATION :

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-1C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ88-01

Comments: ATT: HENRY AWACK

Page No. : 2
Tot. Pages: 6
Date : 12-AUG-88
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P.O. # : NONE

CERTIFICATE OF ANALYSIS A8820270

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm	Cu ppm
8+00S 0+75E	202	< 5	2	8	66	0.1	7	0.1	14
8+00S 1+00E	202	< 5	1	8	76	0.1	9	0.1	17
8+00S 1+25E	202	< 5	1	6	36	0.1	5	0.1	8
8+00S 1+50E	202	< 5	3	7	46	0.1	5	0.1	19
8+00S 1+75E	202	< 5	2	1	47	0.3	7	0.1	28
8+00S 2+00E	202	< 5	2	1	44	0.1	6	0.1	52
8+00S 2+25E	202	< 5	2	3	44	0.1	5	0.1	17
8+00S 2+50E	202	< 5	2	6	26	0.1	5	0.1	2
8+00S 2+75E	202	< 5	2	7	30	0.1	3	0.1	6
8+00S 3+00E	202	< 5	2	2	36	0.4	4	0.1	17
8+00S 3+25E	202	40	6	2	59	0.1	6	0.1	50
9+00S 0+25E	202	< 5	3	4	54	0.1	9	0.1	14
9+00S 0+50E	202	< 5	2	3	63	0.1	7	0.1	16
9+00S 0+75E	202	< 5	2	8	54	0.1	5	0.1	12
9+00S 1+00E	202	420	4	8	76	0.3	9	0.1	14
9+00S 1+25E	202	20	2	2	95	0.2	23	0.1	65
9+00S 1+50E	202	< 5	2	8	54	0.1	9	0.1	19
9+00S 1+75E	202	< 5	2	1	48	0.1	9	0.1	27
9+00S 2+00E	202	100	3	1	61	0.2	10	0.1	85
9+00S 2+25E	202	10	2	1	56	0.1	4	0.1	45
10+00S 0+25E	202	< 5	2	5	75	0.7	9	0.1	19
10+00S 0+50E	202	< 5	3	6	57	0.4	6	0.1	16
10+00S 0+75E	202	< 5	1	3	91	0.4	9	1.0	20
10+00S 1+00E	202	< 10	2	3	55	0.1	5	0.1	14
10+00S 1+25E	202	< 5	4	2	95	0.3	11	0.1	18
10+00S 1+50E	202	< 5	2	4	63	0.4	9	0.1	20
10+00S 1+75E	202	< 5	3	4	109	0.2	12	0.1	39
10+00S 2+00E	202	< 5	2	2	102	0.1	11	0.1	52
10+00S 2+25E	202	< 5	2	10	70	0.3	9	0.1	24
10+00S 2+50E	202	< 5	2	5	51	0.1	7	0.1	27
10+00S 2+75E	202	< 5	2	4	73	0.1	6	0.1	18
11+00S 0+25E	202	< 5	3	6	72	0.1	7	0.1	30
11+00S 0+50E	202	90	4	3	102	0.1	5	0.8	380
11+00S 0+75E	202	< 5	5	4	80	0.1	6	0.1	27
11+00S 1+00E	202	110	12	13	91	0.1	7	0.1	467
11+00S 1+25E	202	< 5	2	3	65	0.2	6	0.1	40
11+00S 1+50E	202	< 5	5	3	58	0.3	5	0.1	20
11+00S 1+75E	202	< 5	3	4	90	0.2	7	0.1	28
11+00S 2+00E	202	< 5	12	2	68	0.1	15	0.1	23
11+00S 2+25E	202	< 5	5	1	122	0.1	12	0.1	141

CERTIFICATION :

Haut Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 BROOKSBANK AVE. NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: PLJ88-01

Comments: ATT: HENRY AWMAK

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CERTIFICATE OF ANALYSIS A8820270

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm	Cu ppm
11+00S 2+50E	202	< 5	1	2	60	0.1	4	0.1	58
11+00S 2+75E	202	< 5	1	2	45	0.1	7	0.1	33
12+00S 0+25E	202	20	3	5	89	0.1	9	0.1	74
12+00S 0+50E	202	10	5	2	82	0.1	5	0.1	59
12+00S 0+75E	202	25	4	6	114	0.1	46	0.8	80
12+00S 1+00E	202	< 5	2	5	79	0.1	9	0.1	24
12+00S 1+25E	202	< 5	2	10	87	0.1	7	0.1	39
12+00S 1+50E	202	20	2	5	68	0.1	10	0.1	23
12+00S 1+75E	202	< 5	1	4	51	0.1	4	0.1	19
12+00S 2+00E	202	< 5	1	3	63	0.1	7	0.1	25
12+00S 2+25E	202	< 5	1	3	65	0.1	6	0.1	15
12+00S 2+50E	202	< 5	1	4	59	0.1	7	0.1	15
12+00S 2+65E	202	< 5	1	6	44	0.1	11	0.1	22
BLO+00E 04+25S	202	25	1	8	49	0.1	10	0.1	13
BLO+00E 04+50S	202	< 5	1	10	24	0.1	4	0.1	1
BLO+00E 04+75S	202	< 5	1	10	75	0.1	9	0.1	25
BLO+00E 05+00S	203	< 5	2	9	50	0.3	10	0.1	17
BLO+00E 05+25S	202	< 5	1	4	66	0.1	9	0.1	37
BLO+00E 05+50S	202	< 5	2	7	54	0.3	6	0.1	24
BLO+00E 05+75S	202	< 5	2	8	66	0.7	11	0.2	27
BLO+00E 06+00S	202	< 5	1	6	76	0.4	10	0.1	28
BLO+00E 06+25S	202	< 5	1	5	31	0.8	4	0.1	4
BLO+00E 06+50S	202	< 5	2	8	40	0.4	5	0.1	9
BLO+00E 06+75S	202	< 5	1	9	62	0.1	10	0.1	18
BLO+00E 07+00S	203	< 5	2	7	44	0.2	9	0.1	19
BLO+00E 07+25S	202	< 5	1	12	67	0.2	10	0.1	12
BLO+00E 07+50S	202	25	1	126	234	1.0	77	4.0	164
BLO+00E 07+75S	202	< 5	2	5	91	0.2	12	0.1	21
BLO+00E 08+00S	202	< 5	1	6	39	0.1	2	0.1	5
BLO+00E 08+25S	202	< 5	1	5	56	0.2	4	0.1	13
BLO+00E 08+50S	202	< 5	1	6	77	0.1	2	0.1	8
BLO+00E 08+75S	202	< 5	2	5	62	0.1	4	0.1	11
BLO+00E 09+00S	202	< 5	1	5	46	0.4	4	0.1	9
BLO+00E 09+25S	202	< 5	2	4	71	0.1	6	0.1	23
BLO+00E 09+50S	202	< 5	3	4	61	0.2	3	0.2	13
BLO+00E 09+75S	202	< 5	2	7	77	0.1	4	0.2	19
BLO+00E 10+00S	202	< 5	2	6	47	0.3	3	0.1	6
BLO+00E 10+25S	202	< 5	1	5	86	0.1	7	0.1	25
BLO+00E 10+50S	202	< 5	3	10	74	0.5	6	0.1	29
BLO+00E 10+75S	202	15	2	17	107	0.2	9	0.1	65

CERTIFICATION :

Hart Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVENUE, NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PL388-01

Comments: ATT: HENRY AWMAK

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CERTIFICATE OF ANALYSIS A8820270

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm	Cu ppm
BL0+00E 11+00S	202 ---	35	6	42	81	0.7	7	0.4	95
BL0+00E 11+25S	202 ---	200	7	1	76	0.3	10	0.2	1950
BL0+00E 11+50S	202 ---	190	7	24	99	0.6	7	1.0	1070
BL0+00E 11+75S	202 ---	< 5	2	13	42	0.2	3	0.1	24
BL0+00E 12+00S	202 ---	15	2	3	79	0.3	3	0.1	73
9+50M 4+50	202 ---	20	2	26	220	0.3	16	1.2	125
9+50M 4+75	202 ---	20	2	16	304	0.7	41	2.6	144
9+50M 5+00	202 ---	20	3	37	117	0.3	24	1.4	133
9+50M 5+25	202 ---	10	2	12	73	1.1	9	0.1	22
9+50M 5+50	202 ---	< 5	2	12	45	1.1	12	0.1	22
9+50M 5+75	202 ---	< 5	2	14	145	0.7	11	0.2	97
9+50M 6+00	202 ---	55	7	32	179	0.3	75	2.4	247
10+00M 1+75	202 ---	25	2	21	191	0.8	16	1.0	151
10+00M 2+00	202 ---	10	2	19	439	0.5	24	1.0	186
10+00M 2+50	202 ---	50	1	23	430	0.3	29	1.0	164
10+00M 2+75	202 ---	15	1	19	268	0.5	19	1.2	182
10+00M 3+00	202 ---	10	1	22	265	0.4	30	2.4	248
10+00M 3+25	202 ---	5	2	11	222	0.1	22	0.4	148
10+00M 3+50	202 ---	<< 5	1	9	170	0.5	9	0.2	91
10+00M 3+75	202 ---	<< 5	2	9	64	0.2	5	0.1	7
10+00M 4+00	202 ---	< 5	1	12	115	1.5	7	0.1	49
10+00M 4+25	202 ---	15	1	5	114	0.1	10	0.1	110
10+00M 4+50	202 ---	5	1	4	103	0.1	7	0.1	100
10+00M 4+75	202 ---	<< 5	1	5	104	0.1	10	0.1	90
10+00M 5+00	202 ---	<< 5	3	18	76	0.1	12	0.6	26
10+00M 5+25	202 ---	<< 5	2	8	53	0.1	5	0.1	12
10+00M 5+50	202 ---	<< 5	2	34	75	0.2	10	0.4	34
10+50M 2+50	202 ---	10	1	8	108	0.2	11	0.4	90
10+50M 2+75	202 ---	15	1	13	149	0.3	10	0.4	124
10+50M 3+00	202 ---	35	1	7	96	0.1	9	0.2	128
10+50M 3+25	202 ---	10	1	14	234	0.3	5	0.4	54
10+50M 3+50	202 ---	<< 5	1	8	138	0.5	9	0.2	38
10+50M 3+75	202 ---	<< 5	3	13	139	0.2	10	0.6	31
10+50M 4+00	202 ---	<< 5	2	2	91	0.1	11	0.1	87
10+50M 4+25	202 ---	15	2	7	129	0.1	10	0.3	95
10+50M 4+50	202 ---	<< 5	2	18	76	0.1	5	0.2	86
10+50M 4+75	202 ---	<< 5	1	4	66	0.1	4	0.1	51
10+50M 5+00	202 ---	<< 5	1	7	102	0.1	9	0.2	80
10+50M 5+25	202 ---	<< 5	1	14	147	0.1	10	0.2	146
10+50M 5+50	202 ---	<< 5	1	7	91	0.1	9	0.1	146

CERTIFICATION :

Heidi Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PL388-01

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CERTIFICATE OF ANALYSIS A8820270

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm	Cu ppm		
10+50M 5+75	202	< 5	1	7	115	0.1	10	0.1	89		
10+50M 6+00	202	< 5	1	4	87	0.1	9	0.2	83		
10+50M 6+25	202	< 5	1	2	83	0.1	4	0.1	46		
10+50M 6+50	202	< 5	1	5	87	0.1	4	0.2	77		
11+00M 0+00	202	25	4	28	99	0.1	16	1.2	64		
11+00M 0+25	202	15	6	53	397	0.7	24	2.2	152		
11+00M 0+50	202	< 5	5	22	144	0.3	14	0.6	58		
11+00M 0+75	202	< 5	4	26	140	0.1	11	0.8	50		
11+00M 1+25	202	20	5	52	600	0.9	35	2.0	211		
11+00M 1+50	202	10	3	40	306	1.0	30	1.2	137		
11+00M 1+75	202	15	3	52	334	0.8	35	1.4	152		
11+00M 2+00	202	360	3	188	296	59.0	125	48.0	430		
11+00M 2+25	202	45	3	278	3960	7.6	35	10.0	372		
11+00M 2+50	202	20	1	10	136	0.4	10	0.4	136		
11+00M 2+75	202	20	1	7	80	0.2	7	0.4	93		
11+00M 3+00	202	25	1	12	182	0.5	15	0.4	107		
11+00M 3+25	202	5	1	5	74	0.3	10	0.2	101		
11+00M 3+50	202	15	1	8	107	0.2	9	0.4	125		
11+00M 3+75	202	15	2	90	466	1.5	32	3.0	143		
11+00M 4+00	202	10	2	16	560	1.8	10	0.8	136		
11+00M 4+25	202	< 5	1	2	297	0.4	15	0.1	121		
11+00M 4+50	202	< 5	1	8	348	0.2	9	0.1	291		
11+00M 4+75	202	30	3	55	590	1.0	45	5.0	473		
11+00M 5+00	202	< 5	1	5	155	0.1	3	0.1	55		
11+00M 5+25	202	30	1	2	130	0.1	17	0.2	127		
11+00M 5+50	202	< 5	3	7	63	0.6	7	0.1	18		
11+00M 5+75	202	< 5	2	10	322	0.9	15	0.4	101		
11+00M 6+00	202	< 5	1	7	77	0.2	9	0.1	41		
11+00M 6+25	202	< 5	2	12	163	1.5	15	0.2	62		
11+50M 0+00	202	70	5	37	128	0.4	15	2.2	174		
11+50M 0+25	202	15	2	40	580	0.9	29	1.4	138		
11+50M 0+50	202	10	3	64	570	1.4	36	1.6	148		
11+50M 0+75	202	< 5	3	50	510	1.3	29	1.2	144		
11+50M 1+00	202	20	2	39	313	1.1	24	1.4	121		
11+50M 1+25	202	30	3	24	148	0.5	14	1.4	141		
11+50M 1+50	202	25	2	19	141	0.1	14	1.2	150		
11+50M 1+75	202	20	3	17	289	0.7	15	1.0	159		
11+50M 2+00	202	25	2	12	184	0.4	20	0.8	129		
11+50M 2+25	202	20	1	8	86	0.3	14	0.4	131		
11+50M 2+50	202	110	1	5	80	0.2	11	0.4	120		

CERTIFICATION :

Henry Buchler



Chemex Labs Ltd.

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 212 BROOKSBANK AVE., NORTH VANCOUVER,
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11+50M 2+75	202 ---	20	2	18	355	0.5	7	0.6	178
11+50M 3+00	202 ---	10	1	4	289	0.1	9	0.2	60
11+50M 3+25	202 ---	< 5	1	5	238	0.1	4	0.1	1
11+50M 3+50	202 ---	< 5	1	3	246	0.2	10	0.1	79
11+50M 3+75	202 ---	25	1	7	139	0.1	9	0.2	94
11+50M 4+00	202 ---	75	3	25	219	0.5	17	2.8	97
11+50M 4+25	202 ---	< 5	2	13	168	0.1	6	0.4	51
11+50M 4+50	202 ---	< 5	3	19	225	0.4	9	0.8	86
11+50M 4+75	202 ---	< 15	1	4	198	0.3	7	0.2	30
11+50M 5+00	202 ---	< 5	1	4	125	0.1	5	0.1	38
11+50M 5+25	202 ---	< 5	1	3	69	0.1	3	0.1	30
11+50M 5+50	202 ---	< 5	2	4	88	0.1	9	0.1	50
11+50M 5+75	202 ---	< 5	2	4	137	0.1	5	0.1	63
11+50M 6+00	202 ---	< 5	1	6	83	0.1	5	0.2	20
11+50M 6+25	202 ---	10	1	11	117	0.3	9	0.2	38
11+50M 6+50	202 ---	15	1	5	114	0.1	9	0.2	190

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Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

112 BROOKSBANK AVE., NORTH VANCOUVER
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-1221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ88-01

Comments: ATTN: HENRY ARMACK

Page No. 1
Tot. Pages: 2
Date: 23-AUG-88
Invoice #: I-8821006
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821006

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
8+50M 1+25	202 ---	25	245		1	21	304	0.6	35	1.8	
8+50M 1+50	203 ---	50	121		2	77	220	1.4	30	2.4	
8+50M 1+75	202 ---	15	152		1	48	219	0.7	27	1.6	
8+50M 2+00	202 ---	20	155		2	43	283	1.1	22	1.2	
8+50M 2+25	202 ---	15	110		1	21	190	0.8	20	0.7	
8+50M 2+50	202 ---	50	112		1	20	187	0.8	19	0.8	
8+50M 2+75	202 ---	25	121		1	28	181	0.9	24	0.4	
8+50M 3+25	202 ---	15	117		1	26	182	0.8	24	0.8	
8+50M 3+50	203 ---	5	126		1	8	131	0.2	4	0.1	
8+50M 4+00	202 ---	15	56		1	15	103	0.1	17	0.1	
8+50M 4+50	203 ---	10	37		1	14	159	0.3	4	0.2	
8+50M 4+75	203 ---	5	24		2	9	74	0.7	69	0.6	
8+50M 5+00	202 ---	5	10		1	5	110	0.1	5	0.4	
8+50M 5+25	202 ---	5	6		1	12	48	0.4	7	0.4	
8+50M 5+50	202 ---	15	99		2	13	109	0.3	11	0.2	
8+50M 5+75	202 ---	5	6		2	8	37	0.1	3	0.1	
8+50M 6+00	202 ---	5	8		1	11	34	1.6	4	0.1	
8+50M 6+25	202 ---	5	9		1	12	49	0.8	11	0.1	
8+50M 6+45	202 ---	15	9		1	7	47	1.4	9	0.4	
9+00M 1+50	202 ---	35	167		2	55	286	0.8	25	0.1	
9+00M 1+75	202 ---	25	106		1	150	166	2.0	41	3.0	
9+00M 2+00	202 ---	105	94		1	550	690	5.1	69	4.2	
9+00M 2+25	202 ---	20	129		1	32	310	0.8	30	1.4	
9+00M 2+50	202 ---	35	160		1	20	304	0.8	33	1.2	
9+00M 2+75	202 ---	25	130		1	20	242	0.4	33	0.2	
9+00M 3+00	202 ---	15	112		1	20	173	0.1	12	0.1	
9+00M 3+25	202 ---	5	43		1	10	87	1.2	9	0.2	
9+00M 3+50	202 ---	10	84		1	8	81	0.1	5	0.1	
9+00M 4+00	202 ---	15	132		1	20	124	0.1	9	0.1	
9+00M 4+50	202 ---	5	39		3	15	66	0.9	33	0.2	
9+00M 4+75	202 ---	25	76		4	48	174	0.8	57	2.2	
9+00M 5+25	203 ---	20	131		5	129	314	1.0	140	2.4	
9+00M 5+50	202 ---	45	175		2	27	118	4.8	59	2.2	
9+00M 5+75	202 ---	5	38		3	8	104	0.6	19	0.8	
9+00M 6+00	202 ---	5	19		1	6	126	0.4	10	1.2	
9+00M 6+25	202 ---	10	33		3	22	199	0.2	19	4.4	
9+00M 6+50	202 ---	15	81		4	25	65	1.5	71	1.4	
9+50M 6+75	202 ---	165	54		1	8	111	0.1	10	0.2	
9+50M 2+00	202 ---	40	280		4	93	510	1.3	100	5.4	
9+50M 2+25	202 ---	65	297		3	120	590	1.9	38	3.0	

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists • Geologists • Registered Assayers
 212 BROOKSBANK AVE. NORTH VANCOUVER
 BRITISH COLUMBIA, CANADA V7R 2C1
 PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
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Page No. 2
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 Date: 23-AUG-88
 Invoice #: I-8821006
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821006

SAMPLE DESCRIPTION	PREP CODE	Au (ppb) FA+LA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm	
9+50M 2+50	202 ---	10	92		2	15	177	0.4	10	0.4
12+25S 0+00E	202 ---	260	93		4	4	101	0.1	10	0.2
12+50S 0+00E	202 ---	< 5	87		4	4	94	0.1	5	0.4
12+75S 0+00E	202 ---	170	8660		65	1	86	4.6	32	3.2
13+00S 0+00E	202 ---	15	135		2	8	34	0.1	4	0.1
13+00S 0+25E	202 ---	10	41		10	9	80	0.2	7	0.4
13+00S 0+50E	202 ---	10	116		3	10	117	0.2	9	0.6
13+00S 0+75E	202 ---	20	98		1	8	97	0.1	7	0.4
13+00S 1+00E	202 ---	<< 5	40		2	6	89	0.1	4	0.4
13+00S 1+25E	202 ---	<< 5	27		1	10	64	0.1	5	0.2
13+00S 1+50E	202 ---	<< 5	51		1	9	150	0.6	9	0.1
13+00S 1+75E	202 ---	<< 5	19		2	12	45	0.3	6	0.2
13+00S 2+00E	202 ---	70	154		5	11	89	1.0	19	0.2
13+00S 2+25E	202 ---	10	24		1	4	93	0.1	6	0.1
13+00S 2+50E	202 ---	90	440		3	6	90	1.0	5	0.2
13+00S 2+75E	202 ---	10	13		1	9	101	0.3	5	0.1
13+00S 3+00E	202 ---	20	50		2	7	78	0.3	4	0.1

CERTIFICATION :

Henry Beckler



Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-1C1
PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: PLJ 88-01
Comments: ATTN: HENRY ANMACK

Page No.: 1
Tot. Pages: 1
Date: 25-AUG-88
Invoice #: I-8821157
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821157

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb. ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
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CERTIFICATION :

Hart Buchler

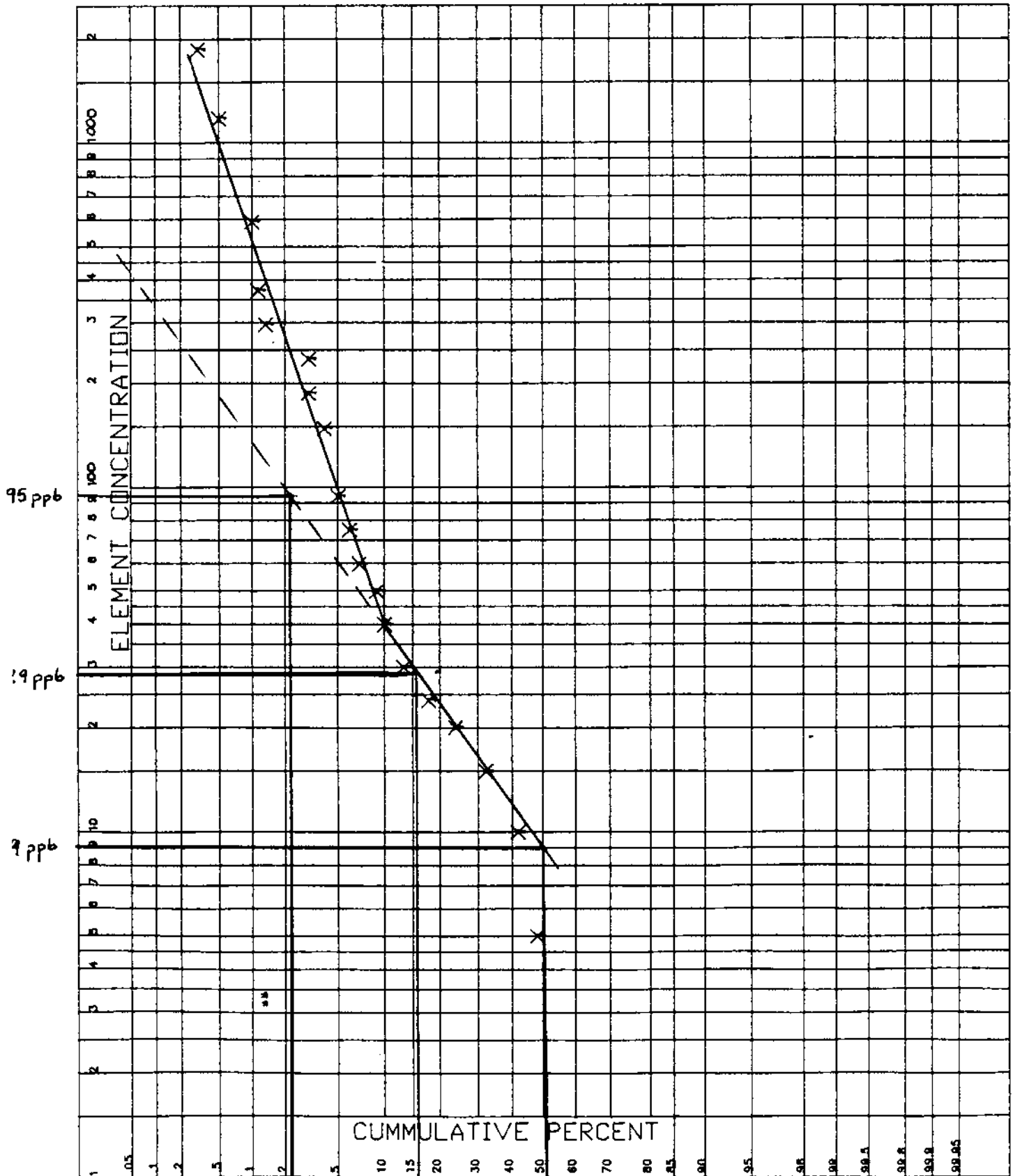
APPENDIX E

STATISTICAL ANALYSIS OF SOIL GEOCHEMISTRY

09/15/88

P O N D C A D S E R V I C E S
MAPPER-CAD SOFTWARE
LOG-PROBABILITY TABLE (LEPELTIER TABLE)

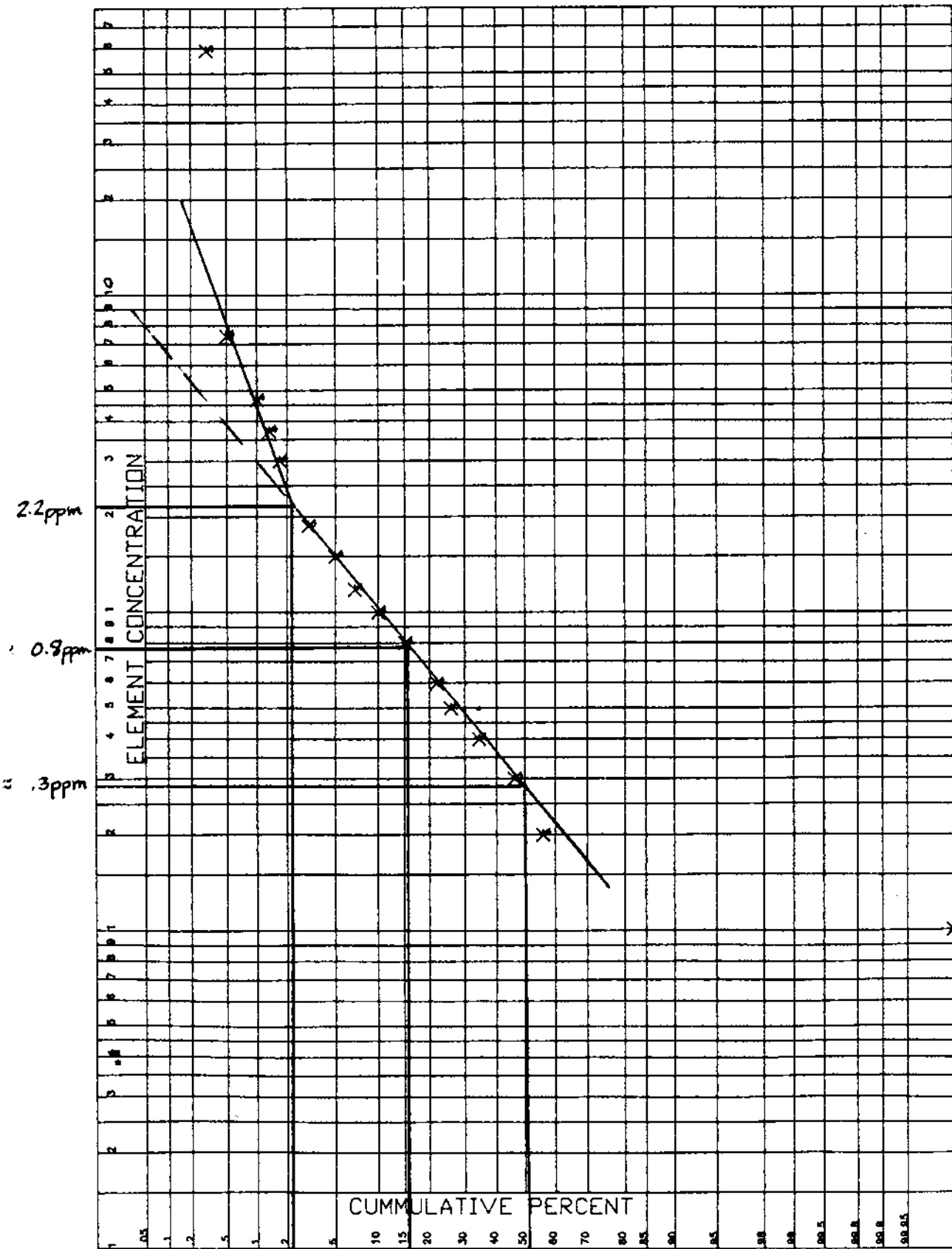
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0.57	4	1	202	46.98
0.67	5	23	201	46.74
0.77	6	0	178	41.40
0.87	8	0	178	41.40
0.97	10	43	178	41.40
1.07	12	0	135	31.40
1.17	15	34	135	31.40
1.27	19	25	101	23.49
1.37	24	22	76	17.67
1.47	30	12	54	12.56
1.57	38	7	42	9.77
1.67	47	8	35	8.14
1.77	59	5	27	6.28
1.87	75	4	22	5.12
1.97	94	5	18	4.19
2.07	118	0	13	3.02
2.17	148	2	13	3.02
2.27	187	2	11	2.56
2.37	235	3	9	2.09
2.47	296	1	6	1.40
2.57	372	1	5	1.16
2.67	468	0	4	0.93
2.77	589	2	4	0.93
2.87	742	0	2	0.47
2.97	934	0	2	0.47
3.07	1175	1	2	0.47
3.17	1480	0	1	0.23
3.27	1863	1	1	0.23
3.37	2345	0	0	0.00
3.47	2952	0	0	0.00
3.57	3716	0	0	0.00
3.67	4678	0	0	0.00
3.77	5889	0	0	0.00
3.87	7414	0	0	0.00
3.97	9333	0	0	0.00
4.07	11749	0	0	0.00



09/15/88

POND CAD SERVICES
 MAPPER-CAD SOFTWARE
 LOG-PROBABILITY TABLE (LEPeltier TABLE)

LOWER LOG LIMIT INTERVAL	LOWER CONCENTRATION LIMIT	SAMPLE POPULATION TALLY	CUMMULATIVE SUM	CUMMULATIVE PERCENT
-0.13	0	0	430	100.00
-0.03	1	0	430	100.00
0.27	2	0	430	100.00
0.47	3	0	430	100.00
0.57	4	0	430	100.00
0.67	5	0	430	100.00
0.77	6	0	430	100.00
0.87	8	0	430	100.00
0.97	10	183	430	100.00
1.07	12	0	247	57.44
1.17	15	0	247	57.44
1.27	19	55	247	57.44
1.37	24	0	192	44.65
1.47	30	51	192	44.65
1.57	38	33	141	32.79
1.67	47	20	108	25.12
1.77	59	25	88	20.47
1.87	75	23	63	14.65
1.97	94	12	40	9.30
2.07	118	10	28	6.51
2.17	148	7	18	4.19
2.27	187	4	11	2.56
2.37	235	0	7	1.63
2.47	296	1	7	1.63
2.57	372	2	6	1.40
2.67	468	2	4	0.93
2.77	589	0	2	0.47
2.87	742	1	2	0.47
2.97	934	0	1	0.23
3.07	1175	0	1	0.23
3.17	1480	0	1	0.23
3.27	1863	0	1	0.23
3.37	2345	0	1	0.23
3.47	2952	0	1	0.23
3.57	3716	0	1	0.23
3.67	4678	0	1	0.23
3.77	5889	1	1	0.23
3.87	7414	0	0	0.00
3.97	9333	0	0	0.00
4.07	11749	0	0	0.00

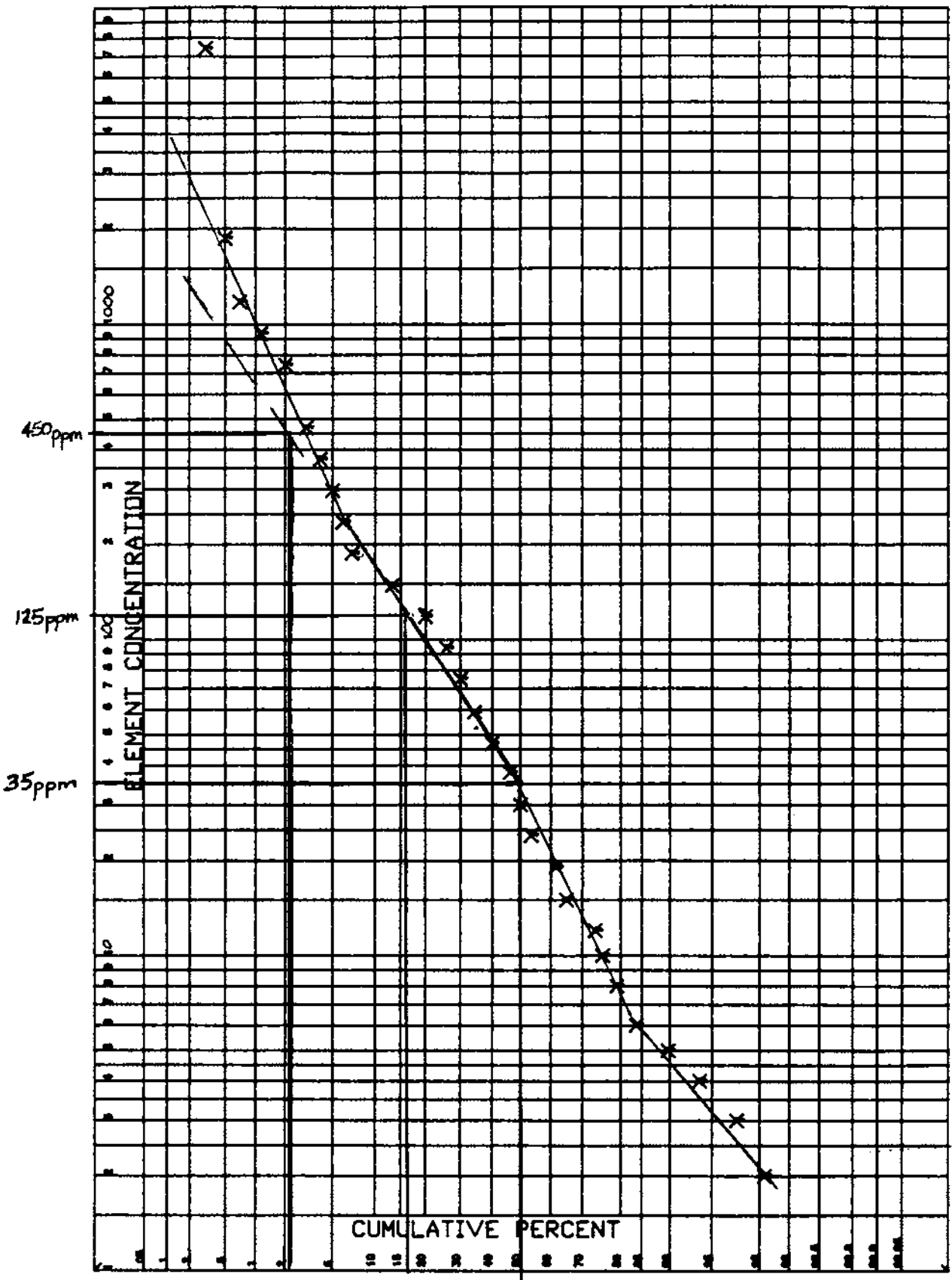


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09/23/88

POND CAD SERVICES
MAPPER-CAD SOFTWARE
LOG-PROBABILITY TABLE (LEPELTIER TABLE)

LOWER LOG LIMIT INTERVAL	LOWER CONCENTRATION LIMIT	SAMPLE POPULATION TALLY	CUMMULATIVE SUM	CUMMULATIVE PERCENT
-0.13	0	0	430	100.00
-0.03	1	7	430	100.00
0.27	2	4	423	98.37
0.47	3	13	419	97.44
0.57	4	17	406	94.42
0.67	5	24	389	90.47
0.77	6	18	365	84.88
0.87	8	18	347	80.70
0.97	10	10	329	76.51
1.07	12	27	319	74.19
1.17	15	23	292	67.91
1.27	19	32	269	62.56
1.37	24	27	237	55.12
1.47	30	19	210	48.84
1.57	38	21	191	44.42
1.67	47	25	170	39.53
1.77	59	16	145	33.72
1.87	75	25	129	30.00
1.97	94	20	104	24.19
2.07	118	32	84	19.53
2.17	148	22	52	12.09
2.27	187	5	30	6.98
2.37	235	6	25	5.81
2.47	296	3	19	4.42
2.57	372	7	16	3.72
2.67	468	1	9	2.09
2.77	589	0	8	1.86
2.87	742	3	8	1.86
2.97	934	2	5	1.16
3.07	1175	1	3	0.70
3.17	1480	0	2	0.47
3.27	1863	1	2	0.47
3.37	2345	0	1	0.23
3.47	2952	0	1	0.23
3.57	3716	0	1	0.23
3.67	4678	0	1	0.23
3.77	5889	0	1	0.23
3.87	7414	1	1	0.23
3.97	9333	0	0	0.00



09/15/88

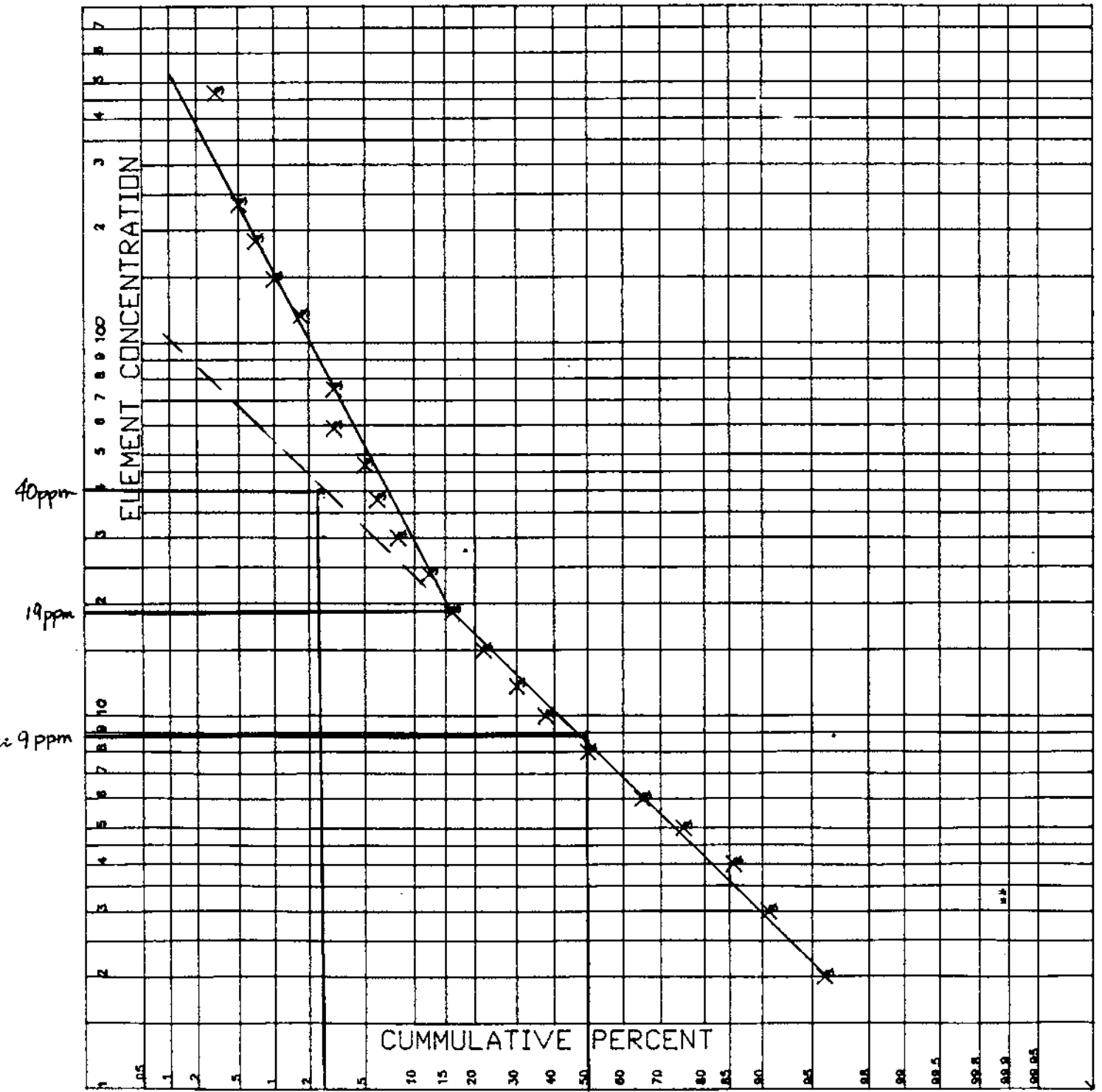
P O N D C A D S E R V I C E S
MAPPER-CAD SOFTWARE
LOG-PROBABILITY TABLE (LEPELTIER TABLE)

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: LIMIT INTERVAL : CONCENTRATION : POPULATION : SUM : PERCENT :
: ~~~~~ : ~~~~~ : ~~~~~ : ~~~~~ : ~~~~~ :

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LOWER LOG LIMIT INTERVAL	LOWER CONCENTRATION LIMIT	SAMPLE POPULATION TALLY	CUMMULATIVE SUM	CUMMULATIVE PERCENT
-0.13	0	0	430	100.00
-0.03	1	13	430	100.00
0.27	2	23	417	96.98
0.47	3	24	394	91.63
0.57	4	42	370	86.05
0.67	5	38	328	76.28
0.77	6	77	290	67.44
0.87	8	58	213	49.53
0.97	10	32	155	36.05
1.07	12	36	123	28.60
1.17	15	19	87	20.23
1.27	19	20	68	15.81
1.37	24	15	48	11.16
1.47	30	8	33	7.67
1.57	38	6	25	5.81
1.67	47	8	19	4.42
1.77	59	1	11	2.56
1.87	75	3	10	2.33
1.97	94	0	7	1.63
2.07	118	3	7	1.63
2.17	148	1	4	0.93
2.27	187	1	3	0.70
2.37	235	1	2	0.47
2.47	296	0	1	0.23
2.57	372	0	1	0.23
2.67	468	1	1	0.23
2.77	589	0	0	0.00
2.87	742	0	0	0.00
2.97	934	0	0	0.00
3.07	1175	0	0	0.00
3.17	1480	0	0	0.00
3.27	1863	0	0	0.00
3.37	2345	0	0	0.00
3.47	2952	0	0	0.00
3.57	3716	0	0	0.00
3.67	4678	0	0	0.00
3.77	5889	0	0	0.00
3.87	7414	0	0	0.00
3.97	9333	0	0	0.00
4.07	11749	0	0	0.00

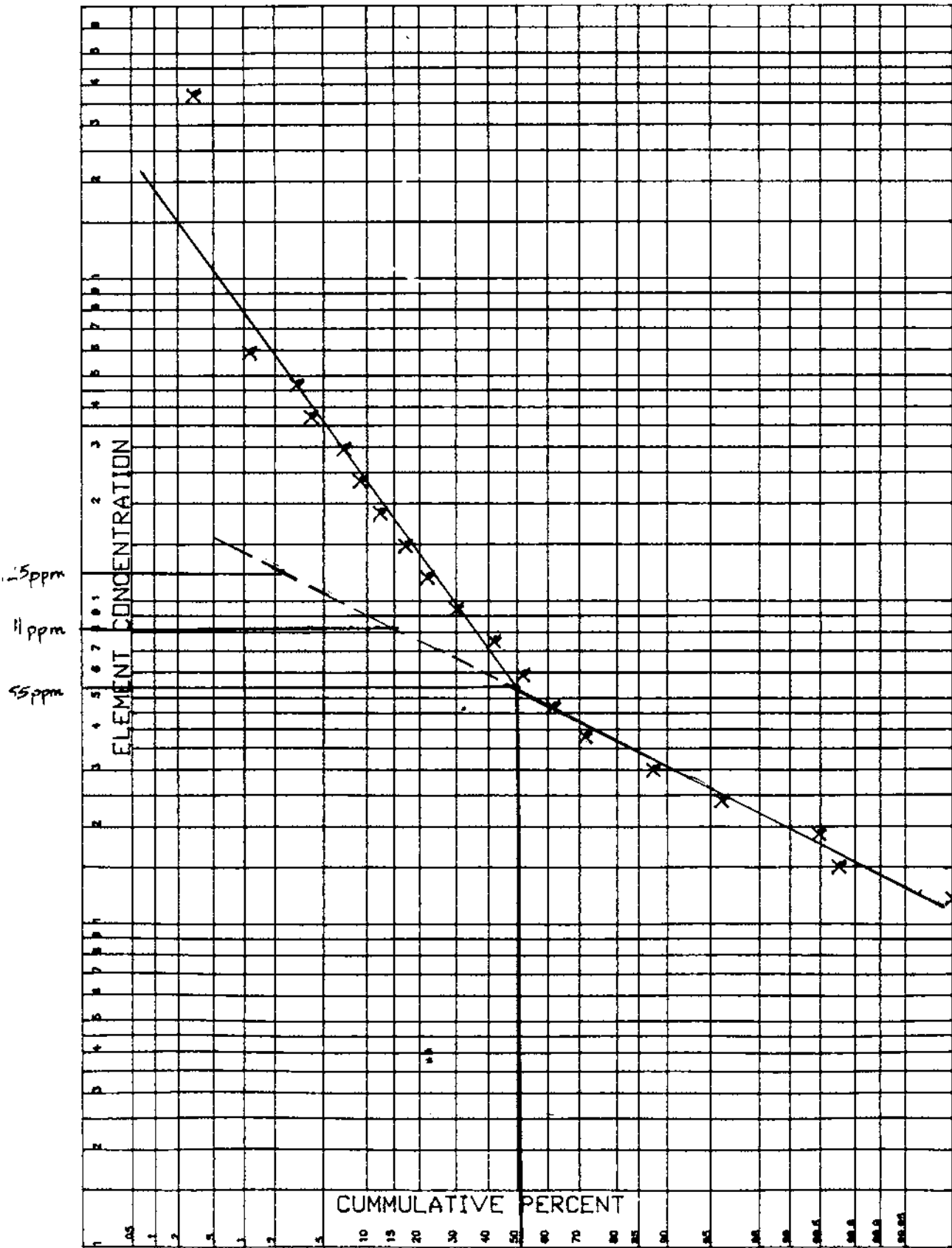


09/15/88

P O N D C A D S E R V I C E S
MAPPER-CAD SOFTWARE
LOG-PROBABILITY TABLE (LEPELTIER TABLE)

LOWER LOG LIMIT INTERVAL	LOWER CONCENTRATION LIMIT	SAMPLE POPULATION TALLY	CUMMULATIVE SUM	CUMMULATIVE PERCENT
-0.13	0	0	430	100.00
-0.03	1	0	430	100.00
0.27	2	0	430	100.00
0.47	3	0	430	100.00
0.57	4	0	430	100.00
0.67	5	0	430	100.00
0.77	6	0	430	100.00
0.87	8	0	430	100.00
0.97	10	0	430	100.00
1.07	12	1	430	100.00
1.17	15	1	429	99.77
1.27	19	13	428	99.53
1.37	24	33	415	96.51
1.47	30	64	382	88.84
1.57	38	49	318	73.95
1.67	47	43	269	62.56
1.77	59	49	226	52.56
1.87	75	50	177	41.16
1.97	94	36	127	29.53
2.07	118	22	91	21.16
2.17	148	18	69	16.05
2.27	187	14	51	11.86
2.37	235	10	37	8.60
2.47	296	13	27	6.28
2.57	372	4	14	3.26
2.67	468	5	10	2.33
2.77	589	4	5	1.16
2.87	742	0	1	0.23
2.97	934	0	1	0.23
3.07	1175	0	1	0.23
3.17	1480	0	1	0.23
3.27	1863	0	1	0.23
3.37	2345	0	1	0.23
3.47	2952	0	1	0.23
3.57	3716	1	1	0.23
3.67	4678	0	0	0.00
3.77	5889	0	0	0.00
3.87	7414	0	0	0.00
3.97	9333	0	0	0.00

TREK PROJECT - ZINC IN SOILS
n=430



APPENDIX F


ENGINEER'S CERTIFICATE

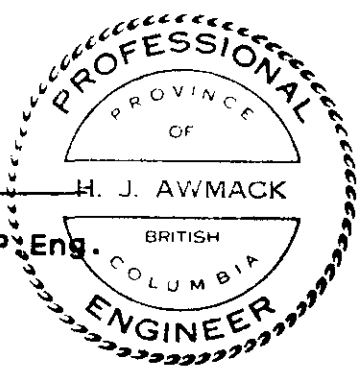
ENGINEER'S CERTIFICATE

I, HENRY J. AWMACK, of 308-1510 Nelson Street, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geological Engineer with offices at Suite 406, 675 West Hastings Street, Vancouver, British Columbia.
2. THAT I am a graduate of the University of British Columbia with an honors degree in Geological Engineering.
3. THAT I am a member in good standing of the Association of Professional Engineers of British Columbia.
4. THAT this report is based on fieldwork conducted by Equity Engineering Ltd. on the TREK 1-5 claims from July to September 1988, government publications and reports filed with the Government of British Columbia.
5. THAT I directly own 5,000 shares of Pass Lake Resources Ltd. and 20,000 shares of Lorica Resources Ltd. I indirectly own a further 51,965 shares of Pass Lake Resources Ltd. and a one-half interest in the TREK claim group through Equity Engineering Ltd.

DATED at Vancouver, British Columbia, this 22 day of November, 1988.


Henry J. Awmack, P. Eng.



APPENDIX G

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, BRIAN K. YAMAMURA, of Apt. 2, 123 King Street East, Kingston, in the Province of Ontario, DO HEREBY CERTIFY:

1. THAT I am a Geologist in the employment of Equity Engineering Ltd. with offices at Suite 406, 675 West Hastings Street, Vancouver, British Columbia.
2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.
3. THAT my primary employment since 1984 has been in the field of mineral exploration. My experience has encompassed a wide range of geological environments and has allowed considerable familiarization with geophysical and geochemical techniques.
4. THAT this report is based on fieldwork supervised by myself during the months of July through September 1988, government publications and reports filed with the Government of British Columbia.
5. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to acquire any such interest.

DATED at Vancouver, British Columbia, this ____ day of November, 1988.

B. Yamamura

Brian K. Yamamura, Geologist

APPENDIX H

GEOPHYSICAL REPORT

S.J.V. CONSULTANTS LTD.

for

EQUITY ENGINEERING LTD.

and

PASS LAKE RESOURCES LTD.

TREK CLAIMS

Sphaler Creek Area, Liard Mining District, B.C.

PROTON PRECESSION MAGNETOMETER SURVEY

&

VLF-EM SURVEY

July 24 - 30, 1988

Lat: 57° - 02' N

N.T.S: 104 G/3

Long: 131° - 18' W

John Ashenurst
Syd Visser

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INTRODUCTION

The magnetometer and VLF-EM surveys performed by S.J.V. Consultants Ltd. on the Trek claims, were requested by David A. Caulfield, geologist with Equity Engineering Ltd. of Vancouver, B.C.. The Trek claims, under option by Pass Lake Resources Ltd., are located in the Iskut river area of northern B.C. and approx 25Km north of Bronson Creek air strip. The surveys were to cover a grid over a small portion of the claims which is griddable as the regional topography is extremely formidable.

FIELD WORK

Mobilization by helicopter from Tungco Resources Corp. camp located on Bug Lake approximately twenty miles south of the Trek claims was performed on the morning of July 24. The geophysical surveys began mid-morning after studying property and grid maps with the project geologist, and were completed July 29. Demobilization was completed late July 30 as no helicopters were available earlier in the day due to weather.

A Gem Systems Ltd. model GSM-8 proton precession magnetometer and a Geonics Ltd. model EM-16(R) VLF receiver were employed for the surveys. Data was processed and plotted at Equity's / Tungco's Bug Lake camp on July 30, August 1, 3 and 9. A Zenith Data Systems computer and a Roland DG PR-1111A printer were employed for generating printer plots. The field plots were submitted to Equity Engineering on August 9. All data was then forwarded to S.J.V. Consultants Ltd. in Delta, B.C. on floppy discs to be plotted on mylar.

The grid's base line and lines 0, 525N and 600N were cut and tightchained and slope corrected. The remaining lines were compassed, flagged and hip-chained and roughly

slope corrected though many stations were extensively over corrected. The base line direction is N30E and the lines were run easterly only from the base line at 120 degrees. Stations were hip-chained and flagged at 25 metre intervals with survey stations and extra flags at 12.5 metre intervals along the nineteen grid east-west lines. Distortion of the several geophysical anomalies encountered due to chaining errors should be minimal as the over-correcting of station separation seemed to be roughly equal throughout the grid and therefore should be approximately relative on the idealized grid used for plotting. The eastern extent of all lines was limited by a steep, impassable clay land-slide cliff or known geology.

Magnetic base stations were established along the base line and corrected to the first station surveyed. Data from each subsequent lines surveyed was then "loop corrected" by periodically tying into one of the base line base stations. All readings were taken with the magnetometer sensor facing approximately magnetic north (N27.5E) to cut the most lines of magnetic flux as possible. Unfortunately, no power was available in the camp and magnetometer ni-cad batteries could not be recharged resulting in only about two thirds of the grid being surveyed with magnetics.

The very low frequency (VLF) transmitter station employed for the electromagnetic (EM) survey was NPM (23.4 kHz) located at Lualualei, Oahu, Hawaii. All in-phase and quadrature readings were taken facing approximately grid west and the in-phase dip-angle readings were fraser filtered from east to west.

Per cent slope was collected using the clinometer on the EM 16. Slopes are plotted as if recorded from the base line facing to the east.

DATA PRESENTATION

The data is presented on the following profile, contour and compilation maps:

- PLATE 1A: Magnetic profiles
- PLATE 1B: Magnetic contours
- PLATE 2A: In-phase and quadrature profiles
- PLATE 2B: Fraser filtered in-phase and % slope (foresight) profiles
- PLATE 2C: Fraser filtered in-phase contours
- PLATE 3: Compilation map

INTERPRETATION

The anomaly name preceding each of the following discussions is as those marked on the compilation map (plate 3) denoting anomalous zones.

Anomaly A1 and A2

It is not clear from the available data whether this is one continuous anomaly or two separate anomalies. The depth to top of anomaly A1 appears to be deeper than A2 and the anomalies appear to have been offset slightly though this may be due to chaining discrepancies, localized faulting or they may be several separate, possibly unrelated conductors. The line topography flattens sharply on the northern lines which is indicative of any of these possibilities.

Heavy sulphide staining was observed in faulted outcrop on the southern line of this anomaly which makes this conductor a prime zone for further detailing. As the northern end of this anomaly is flatter and more heavily covered with overburden, no mineralized outcrop was observed during the survey.

The apparent fault offsetting this conductor from anomaly B to the south is probably localized and this area between surveyed lines should be thoroughly prospected as an exploration target.

If the same apparently volcanogenetic lithology, as indicated by the limited magnetic data, continues northerly from line 200S, the main conductor or the shorter parallel conductor, which is located approximately fifteen metres east of the main conductor, may also indicate a contact with possible sediments to the west.

The shorter conductor to the east of the main conductor may also possibly be due to a local abrupt topographic feature and is most certainly topographically enhanced. These same topographic features would also indicate an apparent lithological change.

Anomaly B

The northern extent of this conductor is similar to the southern extent of anomaly A2 in that sulphide mineralization was also observed near localized faulting in outcrop and the EM signatures are similar in intensity although slightly weaker, and appearance.

As the conductor weakens in intensity to the south, it becomes closely associated with a high magnetic unit. This is a possible indicator of a sulphide rich zone and is also a possible contact between a probable volcanic unit to the east and possible sediments to the west though this is based on limited magnetic data to the west. Another apparent volcanic zone delineates the southern extent of this anomaly.

The shorter weak parallel conductor approximately twenty metres east of the north end of this zone is, like anomaly A, topographically enhanced and may be due to a change in lithology or entirely due to topography.

Anomaly C

Anomaly C, which appears to dip to the east, is noticed mainly on one surveyed line and may continue to the grid north where it is very weak. This very weak part of the anomaly appears to be almost entirely due to topography. No magnetic data was collected in this area.

Anomaly D

This weak anomaly is most apparent on one line only and may be a very short strike length conductor which would therefore require further investigation.

The grid north-south magnetic anomaly east of the conductor has the magnetic signature of an intrusive dyke of varying width or magnetic layer in steeply dipping volcanic rocks. The weak conductor to the east again is probably due to a change in lithology.

Anomaly E

The north-west south-east trending sub-parallel magnetic high and very weak conductor is most likely a contact between a volcanic unit to the south and possibly sediments to the north.

The extremely weak apparent conductors bearing north-north-east and to the north-east to north-north-west may be entirely topographically controlled.

RECOMMENDATIONS

1) Anomalies A and B, and especially the zone between them, should be further mapped using a tighter control to eliminate possible offsets due to chaining discrepancies. The apparent parallel conductors to the east of each should also be prospected to ascertain their cause as they may be topographic features. In addition to mapping, a closer spaced soil geochemical sampling grid is recommended.

2) Anomaly C, which occurs in a thick tag alder swamp, should be further prospected as well as possible though geochemical sampling may be unrealistic due to the swamp and the probable underlying frost-heaved talus.

3) Anomaly D should also be further prospected to attempt to determine the strike and strike length of this conductor and it's cause.


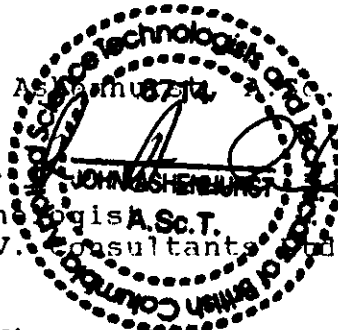
4) If time and budgets allow, the magnetics survey should be expanded to cover the whole of the grid. In addition, intermediate lines should be established at least throughout the northern two-thirds of the grid and magnetics and VLF EM surveys performed to better determine the shape, directions and intensities of anomalous zones should geochemical or outcrop samples prove to be anomalous. A second VLF transmitter station at an obscure angle to the grid should also be employed to better understand the extent of cross structuring.

5) Should further information to establish depths, widths or conductivity be required to spot possible drill holes accurately, a horizontal loop electromagnetic survey over selected zones could be employed to obtain this information in areas which are not too steep. Further, in areas of extreme topography, a time domain EM survey, such as UTEM, could be employed to locate and determine anomalous zones more accurately.

CONCLUSIONS

The VLF-EM survey indicates a strong shallow conductor associated with sulphide mineralization north of approx 300N. The VLF-EM conductor extending south to line 200S from 300N may be a continuation of this conductor and/or represent a contact between the volcanic and sedimentary rock as indicated by the magnetic survey.

It is recommended to correlate the present results to know geology and geochemistry, complete the magnetic survey, do a more extensive detailed EM survey in areas of interest and if possible extend the grid to the south west of the present grid.

John Ashmole, B.Sc., F.G.A.C. T.

 Technologist A.Sc.T.
 S.J.V. Consultants Ltd


Syd Visser, B.Sc., F.G.A.C.


 Geophysicist
 S.J.V. Consultants Ltd.

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, JOHN R. ASHENHURST, of 13771 - 114A Avenue, Surrey,
British Columbia, hereby certify that:

- 1) I am a graduate of the Haileybury School of Mines, 1973
and 1974.
- 2) I have been engaged in mining exploration since 1971.
- 3) I am a Mining/Exploration Technologist certified by the
Applied Science Technicians and Technologists Association of
British Columbia.


A circular stamp from the Applied Science Technicians and Technologists Association of British Columbia is overlaid on the signature. The stamp contains the number 8714 and the text 'Applied Science Technicians and Technologists Association of British Columbia'. Below the signature, the text 'JOHN R. ASHENURST, A.Sc.T.' and 'Mining & Exploration Technologist' is printed.

JOHN R. ASHENURST, A.Sc.T.
Mining & Exploration Technologist

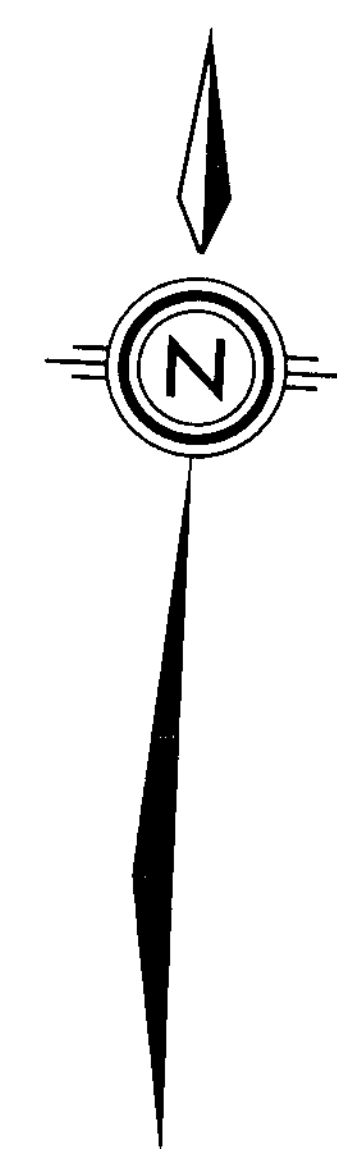
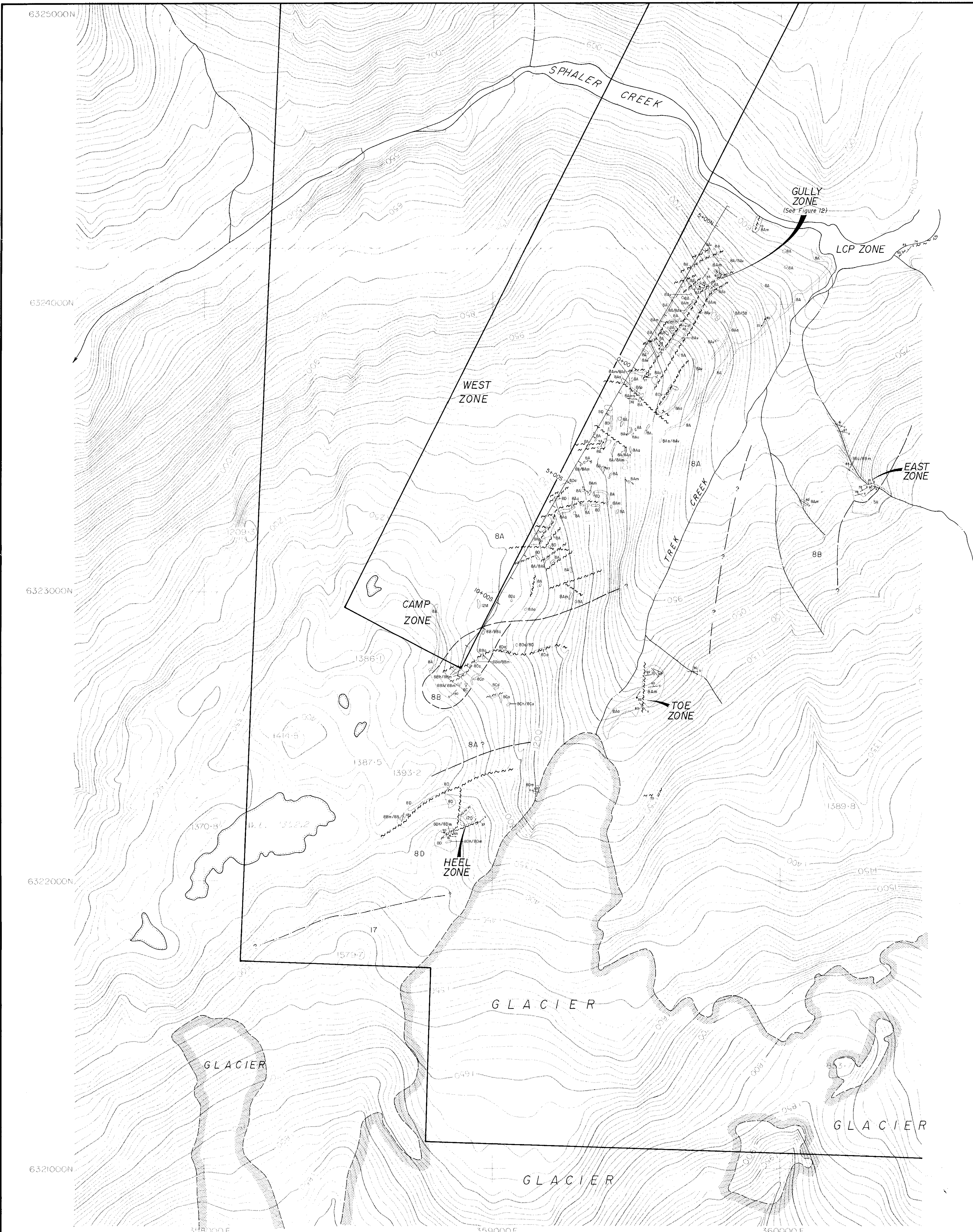
STATEMENT OF QUALIFICATIONS

I, Syd J. Visser, of 8081 - 112th Street, Delta, British Columbia, hereby certify that,

- 1) I am a graduate from the University of British Columbia, 1981, where I obtained a B.Sc. (Hon.) Degree in Geology and Geophysics.
- 2) I am a graduate from Haileybury School of Mines, 1971.
- 3) I have been engaged in mining exploration since 1968.
- 4) I am a Fellow of the Geological Association of Canada.



Syd J. Visser, B.Sc., F.G.A.C.
Geophysicist



LEGEND

- JURASSIC AND CRETACEOUS**
 17 Granodiorite
- TRIASSIC AND JURASSIC**
 12D Diorite
 12M Quartz Monzonite
- UPPER TRIASSIC**
 8 Undifferentiated volcanics
 8A Andesite Crystal Tuff
 8B Volcanic Breccia
 8C Amygdaloidal Basalt
 8D Aegite Porphyry
 5 Undifferentiated Sediments
 5A Shale, Siltstone and Conglomerate
 5B Greywacke

ALTERATION

- a Chlorite-epidote Alteration
 v Quartz-calcite-epidote stockwork veining
 m Disseminated sulphide mineralization
 h Hornfels

SYMBOLS

- Foliation (inclined, vertical)
 - - - Joint, Fracture (inclined, vertical)
 + + + Bedding (inclined, vertical)
 - v - v Vein (inclined, vertical)
 ○ Outcrop
 — Lithological Contact (inferred)
 ~ ~ ~ Fault or Shear Zone (inferred: unknown orientation, inclined)

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,115

SCALE 1:5,000
 METRES 0 50 100 150 200 250 500 METRES

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TREK PROJECT			
GEOLOGY			
LIARD MINING DIVISION, B.C.			
EQUITY ENGINEERING LTD.			
DRAWN J.W.	NTS. 104.6/3 W	DATE October, 1988	FIG. No. 4



GRID NORTH IS 1°53' WEST OF TRUE NORTH

REGIONAL SILT SAMPLING RESULTS (Open File 1646)

Sample	Au(ppb)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
3492	31	0.4	392	22	108
3493	9	0.1	63	8	65
3494	16	0.3	149	15	101
3495	1	0.1	96	6	65
3496	1	0.1	70	4	46

STREAM SEDIMENT SAMPLING RESULTS

Sample	Au(ppb)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
TRHS1	60	1.0	405	98	114
TRHS2	30	0.6	180	32	80
TRHS3	2500	0.4	150	24	74
TRHS4	5	0.2	100	20	70
TRHS5	10	0.4	102	16	81
TRHS6	25	0.8	143	20	101
TRHS7	155	0.2	77	18	67
TRHS8	275	0.8	123	8	135
TRHS9	195	0.2	105	6	81

ROCK GEOCHEMICAL RESULTS

Sample	Au(ppb)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
149789	30	0.2	140	6	351
245562	85	18.4	1025	494	1415
245563	20	3.0	258	86	378
245537	70	0.2	26	4	55
245538	40	0.2	86	14	93
245539	25	0.2	94	38	69
245640	10	1.2	152	96	259
245641	15	0.2	162	4	56
245642	5	0.4	17	56	400
245643	45	0.2	32	6	68
245644	345	0.2	508	18	106
245660	15	0.4	200	18	144
245661	10	0.2	167	14	70
245662	630	45.0	264	9870	>10000
245663	600	1.4	306	142	151
245664	65	2.8	138	278	1145
245665	15	0.2	189	6	64
245666	35	0.6	839	42	99
245667	25	0.6	553	42	54

LEGEND

- ⊙ 3490 Regional Silt Sample 873490 (Open File 1646)
- ⊙ HS-9 Stream sediment sample TRHS-9
- ⊕ 661 Rock sample 245661

NOTE

Rock sample locations for the southwest quadrant shown on Figure 6

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18-115

SCALE 1:10,000
METRES 0 500 1000 METRES

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TREK PROJECT
GEOCHEMISTRY

LIARD MINING DIVISION, B.C.

EQUITY ENGINEERING LTD.

DRAWN J.W. N.T.S. 104 G/3W DATE October, 1988 FIGURE 5

6325000N



6325000N

6325000N

6325000N

358000E

359000E

360000E

ROCK GEOCHEMICAL RESULTS

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
149776	250	0.2	116	16	41
149777	260	1.4	302	8	32
149778	2500	14.2	566	9	6
149848	60	56.0	772	>10000	>10000
149849	25	1.0	465	280	772
149850	1180	12.2	200	280	772
248001	20	0.2	23	12	164
248002	15	0.4	509	24	116
248003	495	8.4	89	464	1240
248004	1300	2.4	15	354	240
248006	245	21.0	3720	238	925
248007	480	30.8	>10000	34	485
248008	1100	88.0	>10000	108	376
248009	845	50.0	3390	408	1625
248010	1100	>200.0	>10000	4280	8520
248011	930	68.0	6220	174	276
248012	70	3.0	768	28	58
248013	25	0.8	697	16	82
248014	25	0.8	546	8	39
248015	20	0.2	230	2	29
248016	20	0.2	157	6	25
248017	45	0.2	187	2	10
248018	360	42.0	1600	820	898
248019	20	0.2	34	12	65
248020	470	108.0	590	6230	359
248021	2750	96.0	8700	916	2320
248022	205	5.8	257	124	133
248023	355	24.6	2220	86	281
248024	25	0.8	358	2	38
248025	3420	28.6	1000	172	>10000
248026	>10000	18.0	348	856	1575
248027	80	0.2	163	10	10
248028	8000	21.4	>10000	10	373
248029/30	4670	10.0	>10000	<2	212
248031	2850	6.0	7320	<2	32
248032	45	1.6	3080	4	86
248033	340	3.8	512	36	2450
248034	1960	4.8	430	202	1835
248035	155	12.0	362	118	500
248036	150	13.2	250	68	133
248037	50	1.4	98	147	336
248038	125	4.8	34	307	880
248039	730	>1000.0	47	>10000	1620
248040	600	22.0	34	7500	270
248041	270	6.7	4720	1500	135
248042	50	1.1	630	105	135
248043	35	0.3	192	42	58
248044	40	0.2	353	43	41
248045	100	13.5	1980	132	610
248046	730	>100.0	8900	4800	>10000
248047	100	10.0	2310	122	372
248048	500	91.0	8660	232	2100
248049	80	5.2	419	61	2160
248050	108	3.1	217	53	680
248051	100	0.2	8600	6	40
248052	25	0.2	309	4	33
248053	15	1.0	174	48	137
248054	140	5.8	162	556	2200
248055	25	5.8	389	224	7670
248056	105	4.8	407	178	511
248057	1000	33.0	1560	1180	1685
248058	1350	18.0	1330	232	4090
248059	1450	35.2	664	2360	882
248060	1920	>200.0	>10000	>10000	>10000
248061	1000	167.0	1690	>10000	>10000
248062	1180	137.5	8430	2000	>10000
248063	30	0.2	114	48	137
248064	30	0.2	203	20	61
248065	10	0.2	312	<2	40
248066	10	0.2	128	<2	30
248067	1250	2.4	8980	<2	69
248068	1930	2.6	1930	6	75
248069	10	0.1	122	5	72
248070	5	0.1	167	6	84
248071	5	0.1	267	5	110
248072	3500	49.0	>10000	8	195
248073	150	1.1	1260	3	24
248074	500	>100.0	>10000	145	>10000
248075	1600	42.0	8000	500	230
248076	65	5.7	1320	17	1300
248077	5900	28.0	>10000	72	860
248078	205	7.0	840	20	169
248079	240	4.9	1320	88	225
248080	40	0.3	560	6	99
248081	150	0.1	374	8	113
248082	>10000	>100.0	>10000	2	146
248083	40	3	1212	4	37
248084	290	6.7	2280	3	62
248085	1210	18.7	1680	3	155
248086	1140	8.9	7150	1	142
248087	>10000	>100.0	>10000	1	151
248088	150	3.7	1260	2	209
248089	55	1.5	700	7	72
248090	80	0.1	233	3	81
248091	70	0.1	109	1	63
248092	70	64.0	250	>10000	>10000
248093	15	10.7	121	120	230
248094	30	9.1	215	830	>10000
248095	45	9.9	790	680	>10000
248096	40	>1000.0	292	>10000	>10000
248097	120	82.0	570	9700	>10000
248098	60	1.4	103	80	1500
248099	170	2.4	5940	62	300
248100	610	3.2	4440	24	200
248101	1370	16.8	>10000	68	472
248102	500	5.4	5500	32	180
248103	190	2.8	2070	12	91
248104	100	4.8	5970	6	123
248105	5	0.2	10	176	11
248106	5	<0.2	84	<2	111
248107	235	1.4	51	656	8040
248108	10	<0.2	61	101	24
248109	390	2.4	101	442	2580
248110	140	1.8	243	140	328
248111	445	4.8	88	612	>10000
248112	28	<0.2	298	2	589
248113	109	19.2	191	62	192
248114	5	1.0	5	6	126
248115	540	8.0	2460	14	242
248116	385	7.2	4470	8	225
248117	3850	4.6	>10000	<2	175
248118	70	1.4	632	<2	55
248119	160	2.0	407	8	43
358156	220	1.2	2650	<2	72
358157	1320	172.5	>10000	>10000	>10000
358158	7440	81.8	>10000	296	1955
358159	2490	36.0	>10000	26	300
358160	160	3.4	1035	28	88
358161	6190	108.0	>10000	2	1025

ASSAY RESULTS

SAMPLE	Au (oz/ton)	Ag (oz/ton)	Cu%	Pb%	Zn%
149778	0.076	2.09	1.32	-	-
248010	0.036	7.81	5.22	0.42	1.06
248021	0.086	2.80	0.80	-	-
248025	0.112	0.72	-	-	3.53
248028	0.328	-	-	-	-
248028	0.240	0.68	8.00	-	-
248029/30	0.146	0.08	32.71	-	-
248031	0.086	0.16	0.67	-	-
248039	0.026	6.31	-	6.71	1.46
248046	0.020	0.01	0.86	0.97	1.46
248050	0.044	23.60	1.00	9.15	20.50
248051	0.026	5.37	0.15	2.03	0.24
248052	0.034	4.61	0.79	0.29	1.26
248060	0.112	1.58	4.14	-	-
248061	0.016	1.40	0.60	-	-
248064	0.170	0.84	2.97	-	-
248069	0.230	4.73	1.76	-	-
248074	0.428	3.55	9.73	-	-
248073	<0.003	49.10	7.20	14.80	16.40
248075	0.152	1.50	7.20	-	-
248077	0.122	0.15	2.27	-	-
358157	0.034	0.87	4.73	2.25	1.39
358158	0.208	2.27	2.96	-	0.19
358159	0.068	0.87	1.24	-	-
358161	0.222	3.42	1.12	-	0.08
358162	0.256	0.42	5.31	0.01	0.03
358163	0.098	0.36	4.11	0.01	0.03

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,115

SCALE 1:5,000

METRES 0 50 100 150 200 250 500 METRES

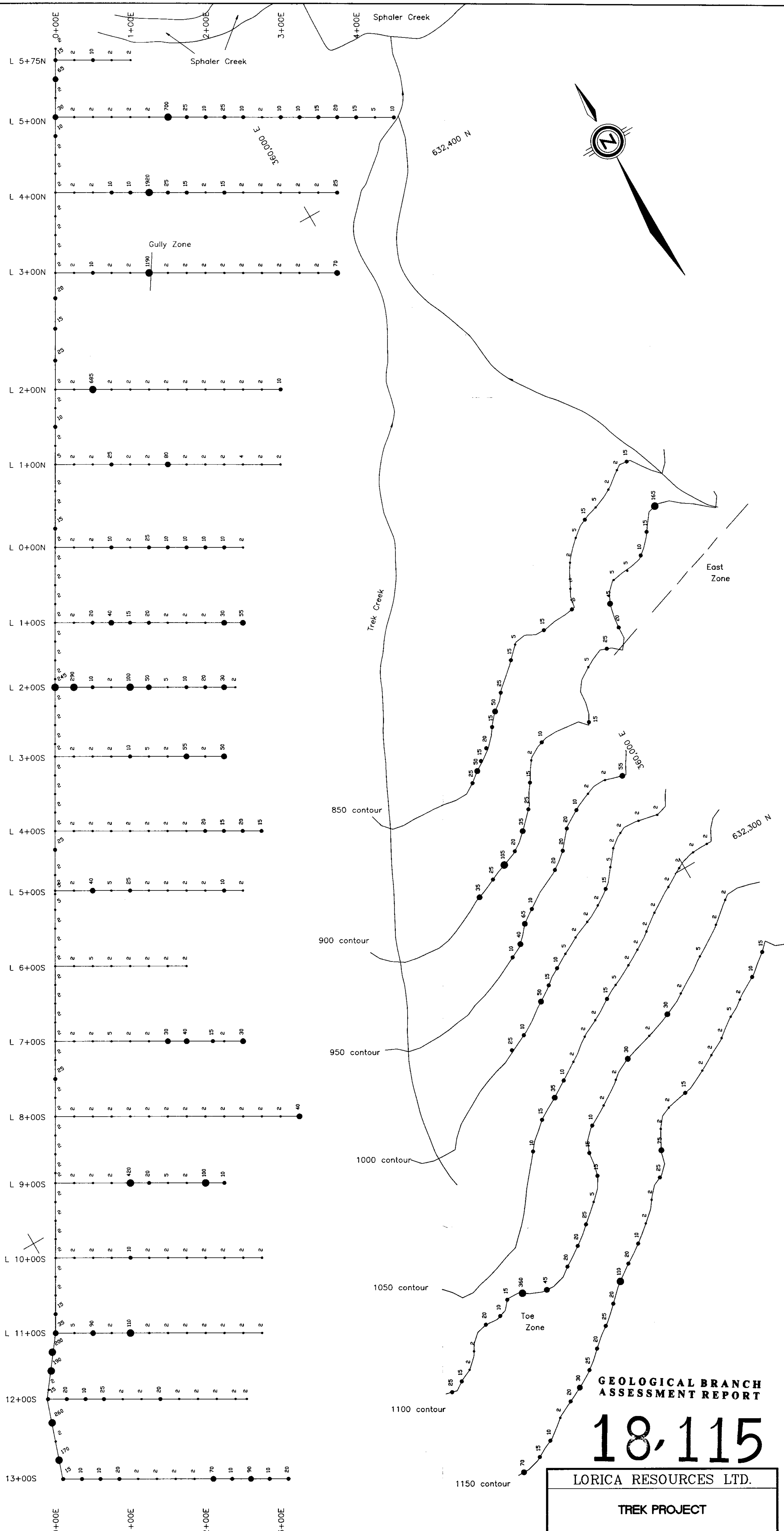
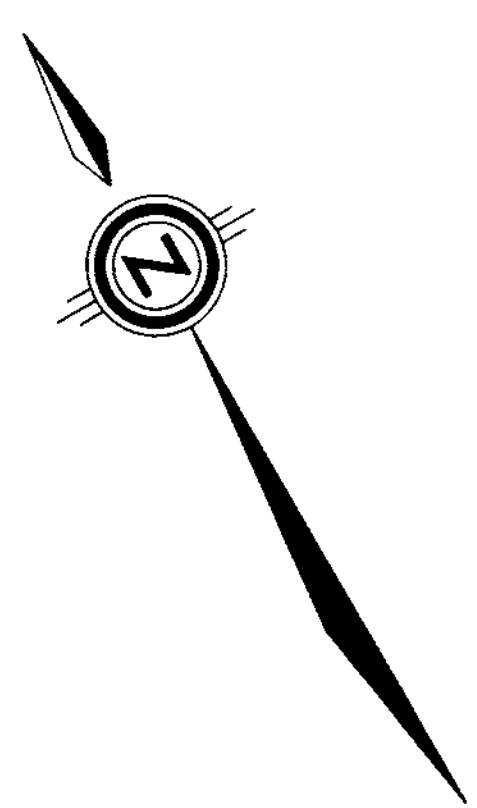
LORICA RESOURCES LTD.

**TREK PROJECT
ROCK SAMPLE
LOCATIONS**

LIARD MINING DIVISION, B.C.

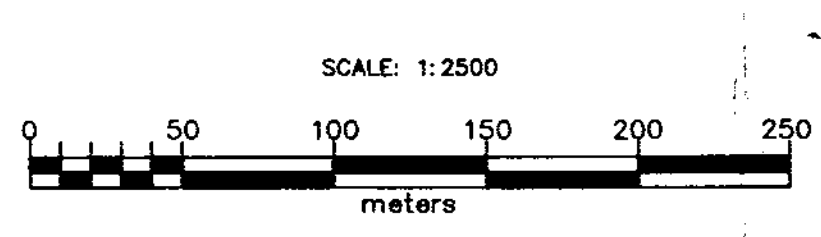
EQUITY ENGINEERING LTD.

DRAWN J.W. NTS. 104 G/3 W DATE October, 1988 FIG. No. 6



LEGEND

- Gold soil location and value
- Values shown as 2 are below detection limit of 5 ppb
- 9 ppb ≤ x < 29 ppb above background
 - 29 ppb ≤ x < 95 ppb possibly anomalous
 - 95 ppb ≤ x probably anomalous



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,115

LORICA RESOURCES LTD.

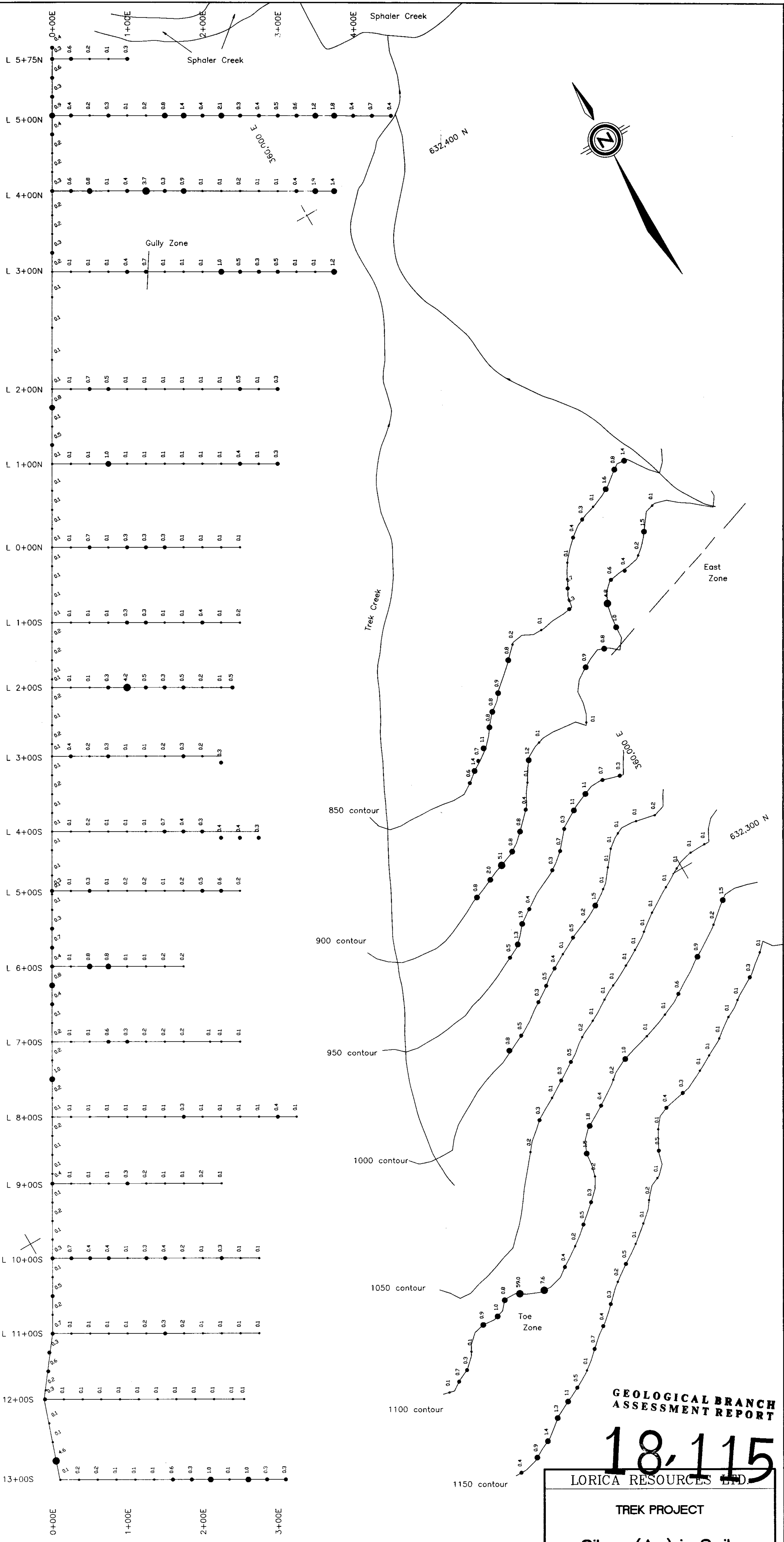
TREK PROJECT

Gold (Au) in Soils

EQUITY ENGINEERING LTD.

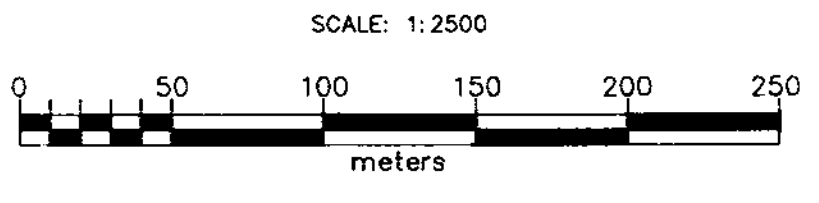
Date: OCTOBER/88	N.T.S.	Mining Division	Figure: 7
	104G/JW	L/ARD	

Prepared By: TECHNICAL GEOLOGICAL INC.



LEGEND

- Silver soil location and value
- 0.3 ppm ≤ x < 0.8 ppm above background
 - 0.8 ppm ≤ x < 2.2 ppm possibly anomalous
 - 2.2 ppm ≤ x probably anomalous



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,115

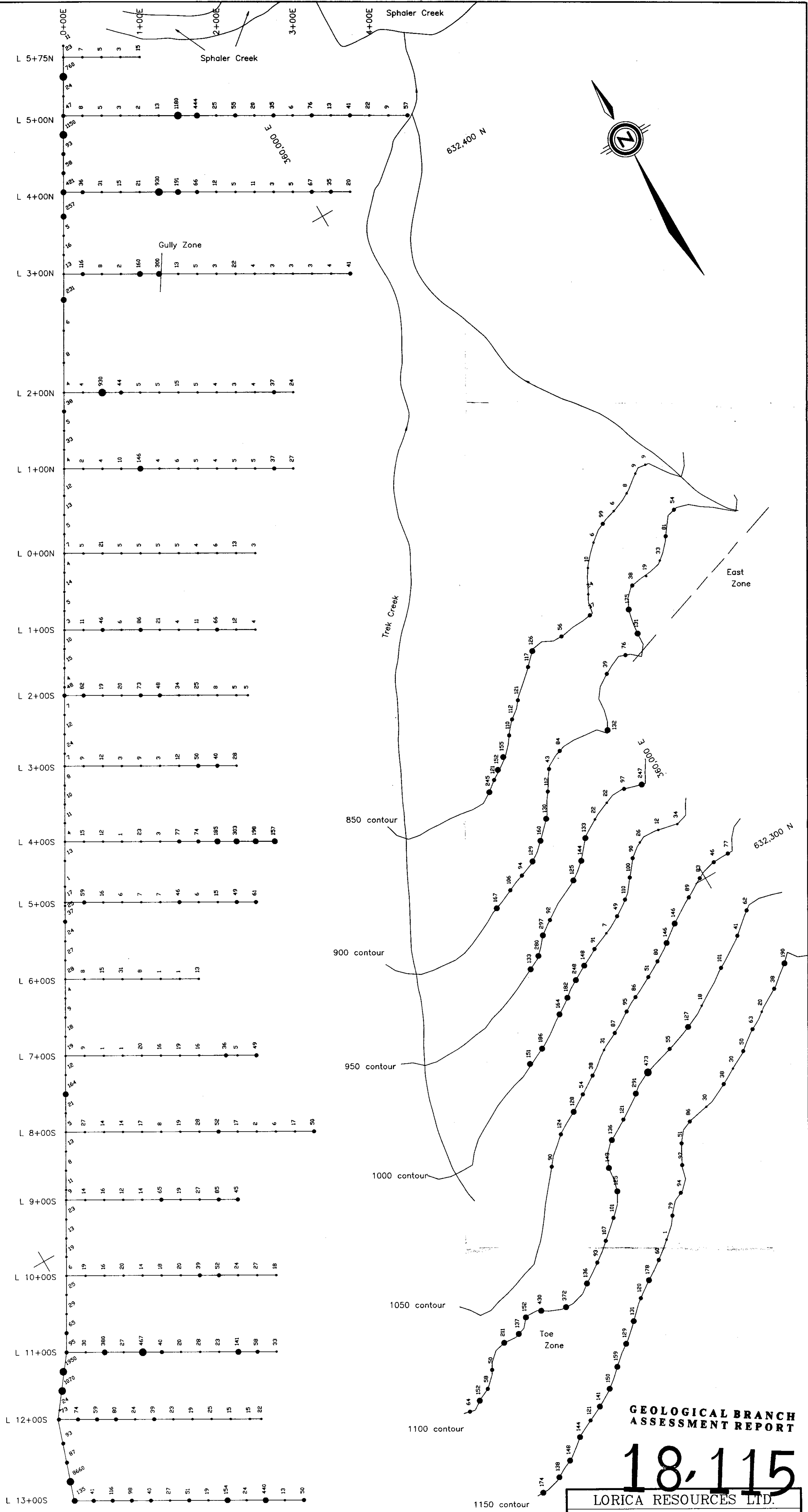
LORICA RESOURCES LTD.

TREK PROJECT

Silver (Ag) in Soils

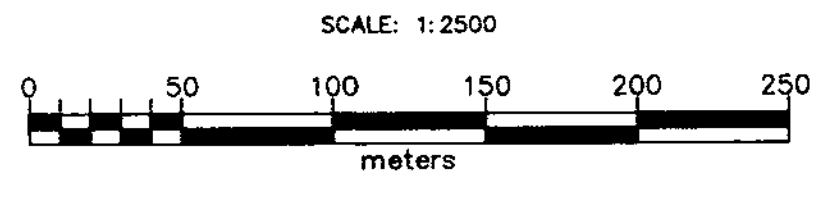
EQUITY ENGINEERING LTD.			
Date:	N.T.S.	Mining Division	Figure: 8
OCTOBER/88	104G/3W	LIARD	

Prepared By: TECTICOMP GEOLOGICAL INC.



LEGEND

- Copper soil location and value
- 35 ppm ≤ x < 125 ppm above background
 - 125 ppm ≤ x < 450 ppm possibly anomalous
 - 450 ppm ≤ x probably anomalous



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,115

LORICA RESOURCES LTD.

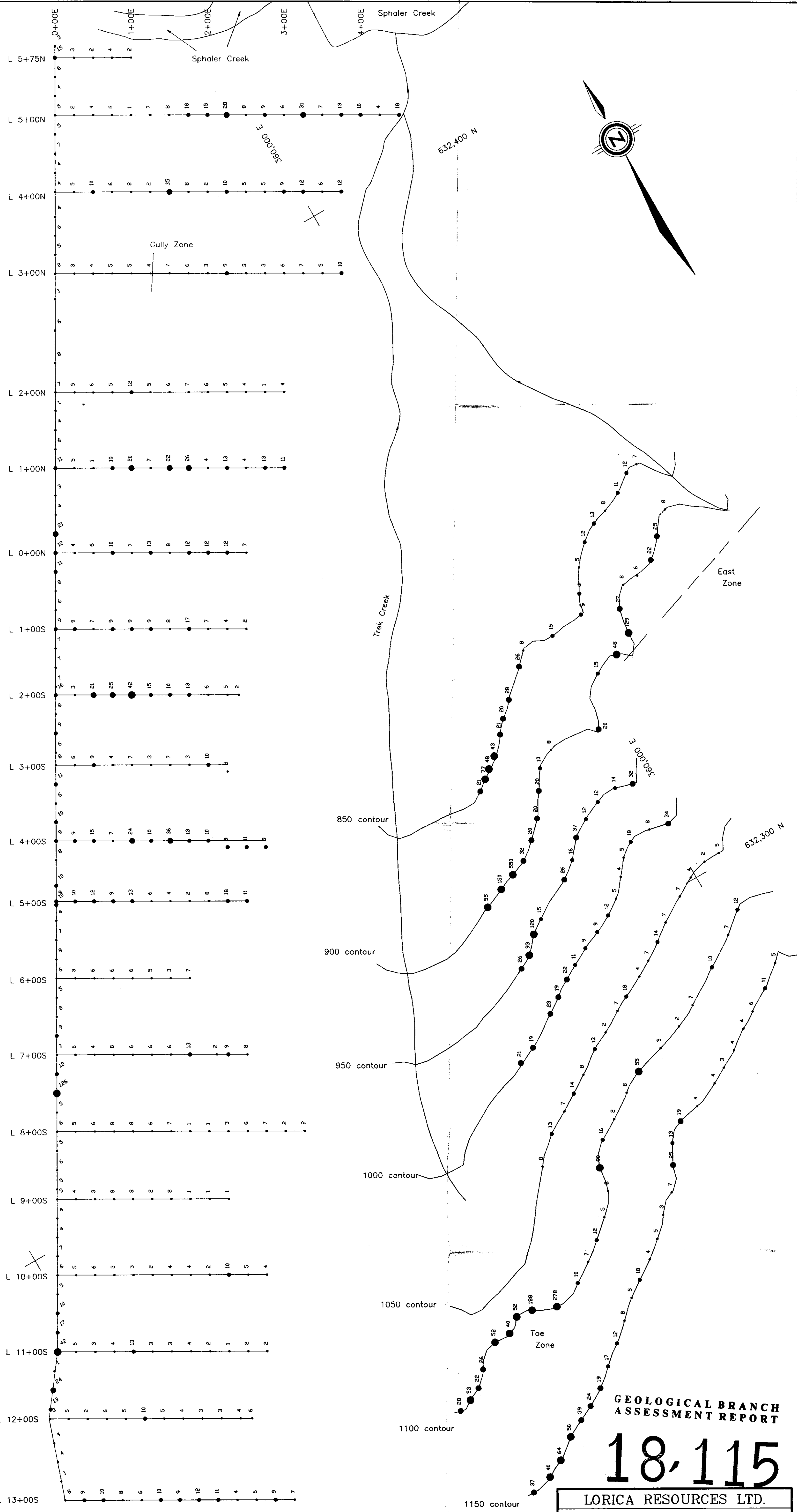
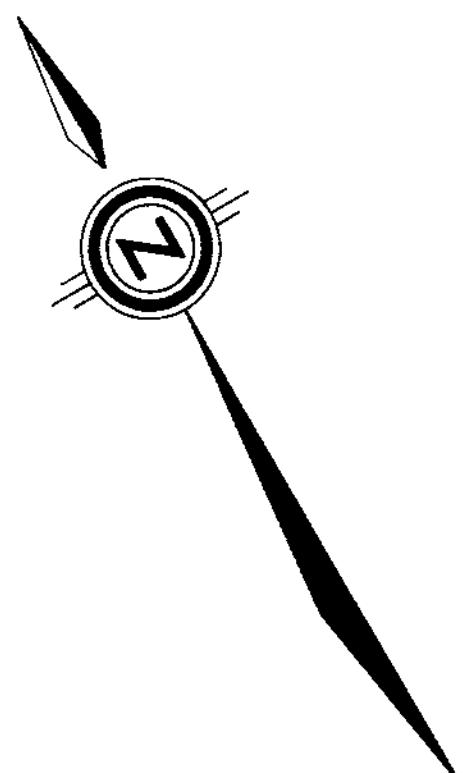
TREK PROJECT

Copper (Cu) in Soils

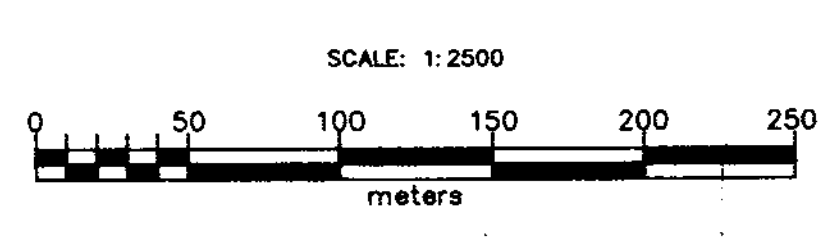
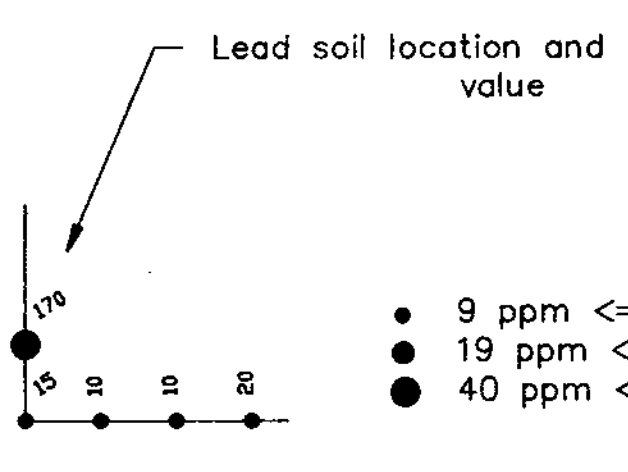
EQUITY ENGINEERING LTD.

Date: OCTOBER/88	N.T.S. 1046/3W	Mining Division LIARD	Figure: 9
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Prepared by: TRACOMP GEOLOGICAL INC.



LEGEND



GEOLOGICAL BRANCH ASSESSMENT REPORT

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LORICA RESOURCES LTD.

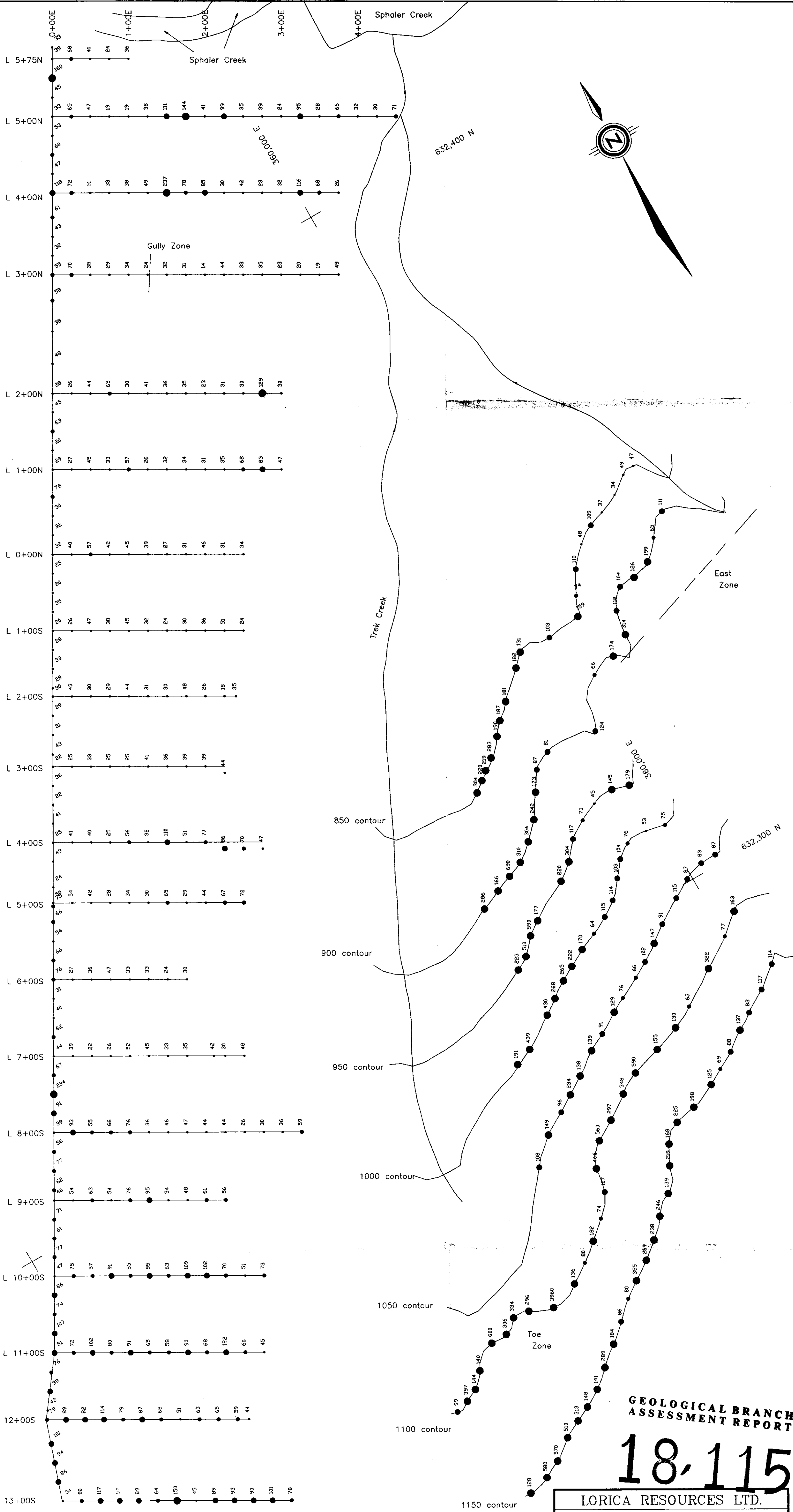
TREK PROJECT

Lead (Pb) in Soils

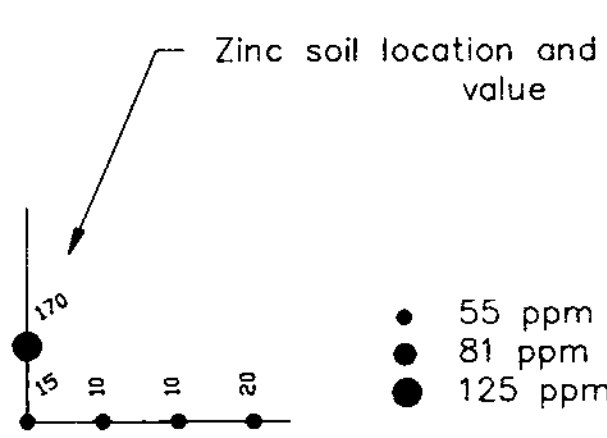
EQUITY ENGINEERING LTD.

Date: OCTOBER/88	N.T.S. 104G/3W	Mining Division LIARD	Figure: 10
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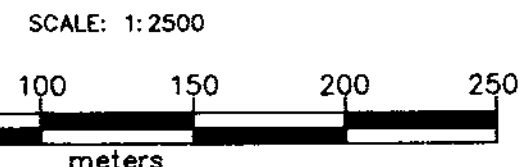
Prepared By: TECHCOMP GEOLOGICAL INC.



LEGEND



- 55 ppm ≤ x < 81 ppm above background
- 81 ppm ≤ x < 125 ppm possibly anomalous
- 125 ppm ≤ x probably anomalous



**GEOLOGICAL BRANCH
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LORICA RESOURCES LTD.

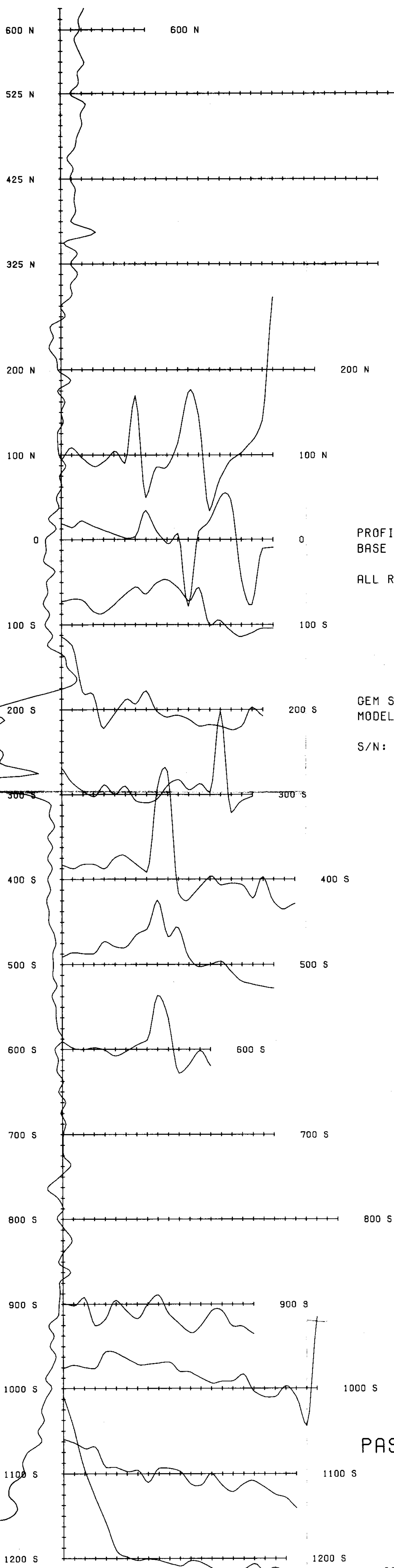
TREK PROJECT

Zinc (Zn) in Soils

EQUITY ENGINEERING LTD.

Date: OCTOBER/88	N.T.S. 104G/3W	Mining Division LIARD	Figure: 11
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Prepared By: TECHCOMP GEOLOGICAL INC.



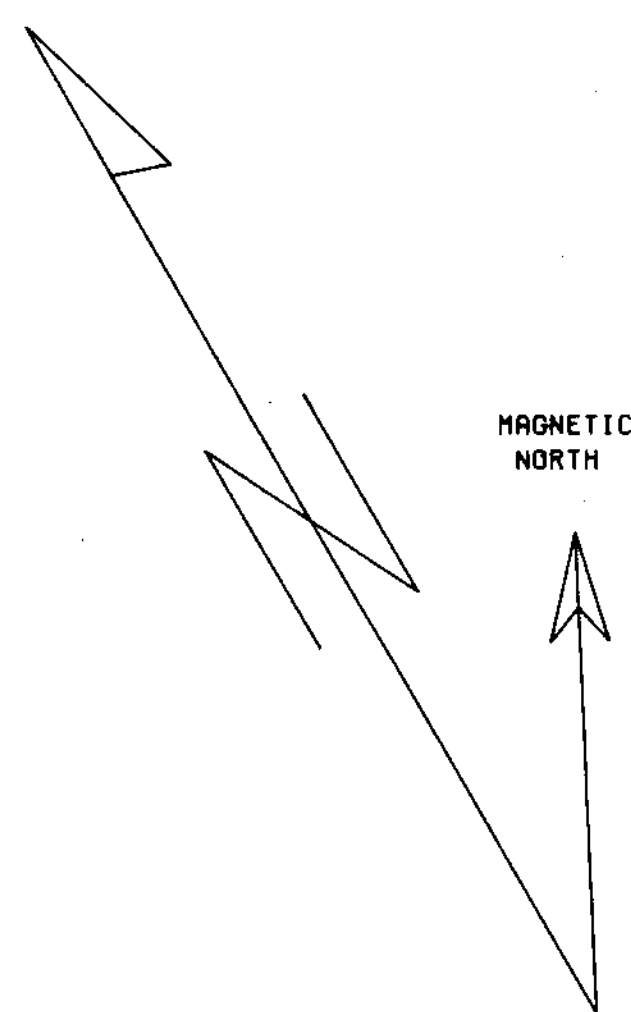
LEGEND

PROFILE SCALE: 1 CM = 100 NT (GAMMAS)
 BASE VALUE = 57,000 NT

ALL READINGS WITH SENSOR FACING
 APPROXIMATELY MAGNETIC NORTH

INSTRUMENTATION:

GEM SYSTEMS LTD.
 MODEL GSM 8 PROTON PRECESSION
 MAGNETOMETER
 S/N: 83431



**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

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PASS LAKE RESOURCES LTD.

MAGNETICS SURVEY

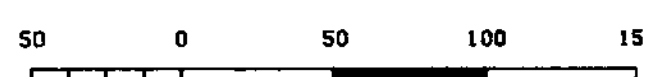
PROFILES

TREK CLAIMS

SPHALER CREEK AREA, LIARD M.D., B.C.

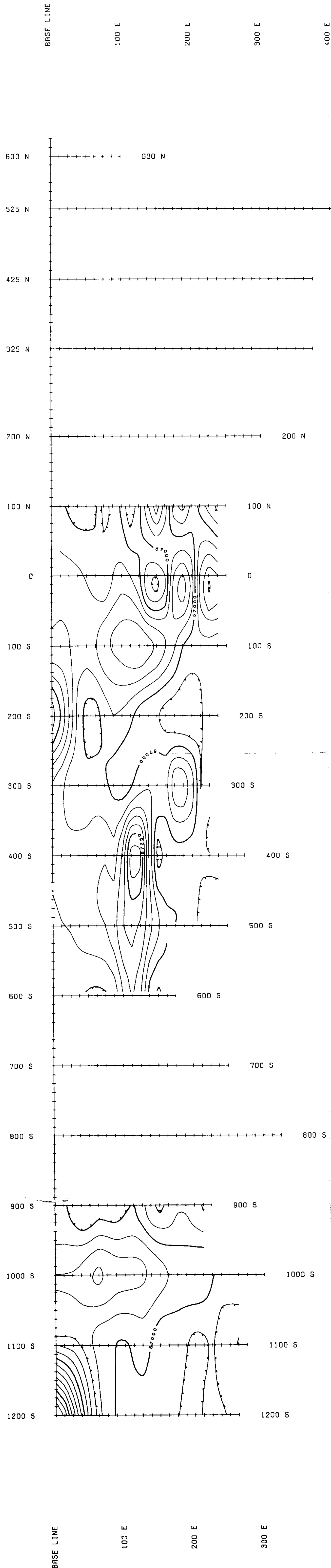
N.T.S: 104 G/3

SCALE: 1:2500



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PLATE 1A

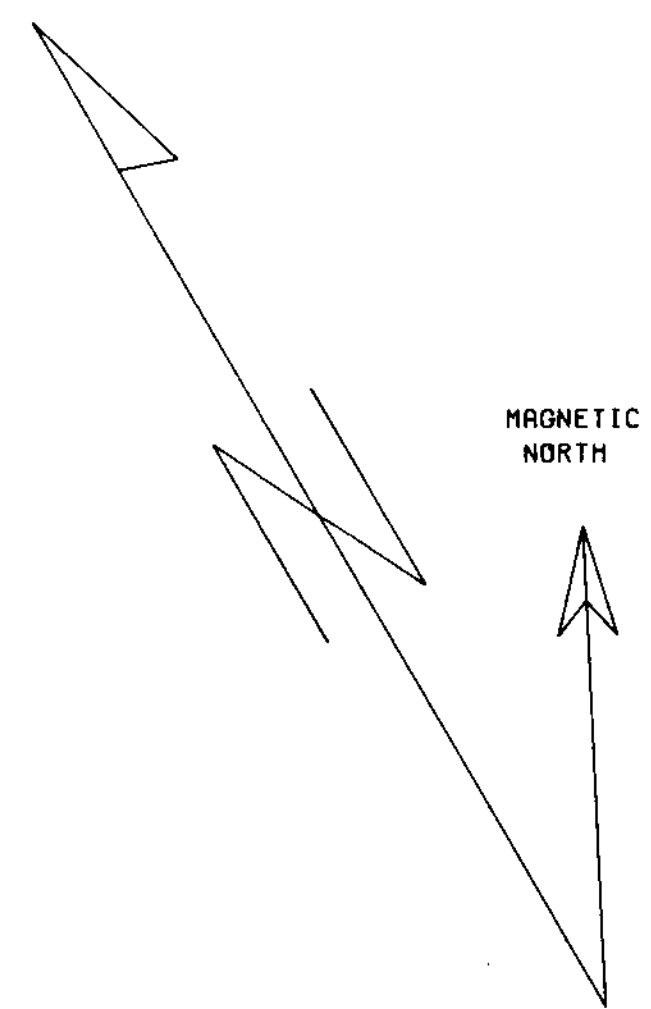


LEGEND

CONTOUR INTERVAL: 50 NT (GAMMAS)
 POSTED CONTOUR INTERVAL: 250 NT
 BASE VALUE = 57000 NT
 ALL READINGS WITH SENSOR FACING
 APPROXIMATELY MAGNETIC NORTH

INSTRUMENTATION:

GEM SYSTEMS LTD.
 MODEL GSM 8 PROTON PRECESSION
 MAGNETOMETER
 S/N: 83431



**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

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PASS LAKE RESOURCES LTD.

MAGNETICS SURVEY

CONTOURS

TREK CLAIMS

SPHALER CREEK AREA, LIARD M.D., B.C.

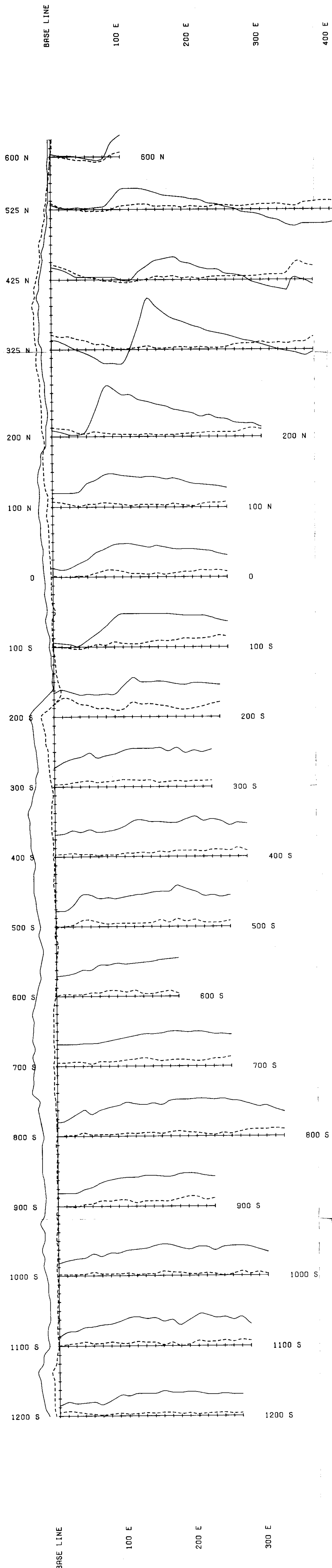
N.T.S: 104 G/3

SCALE: 1:2500



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PLATE 1B



LEGEND

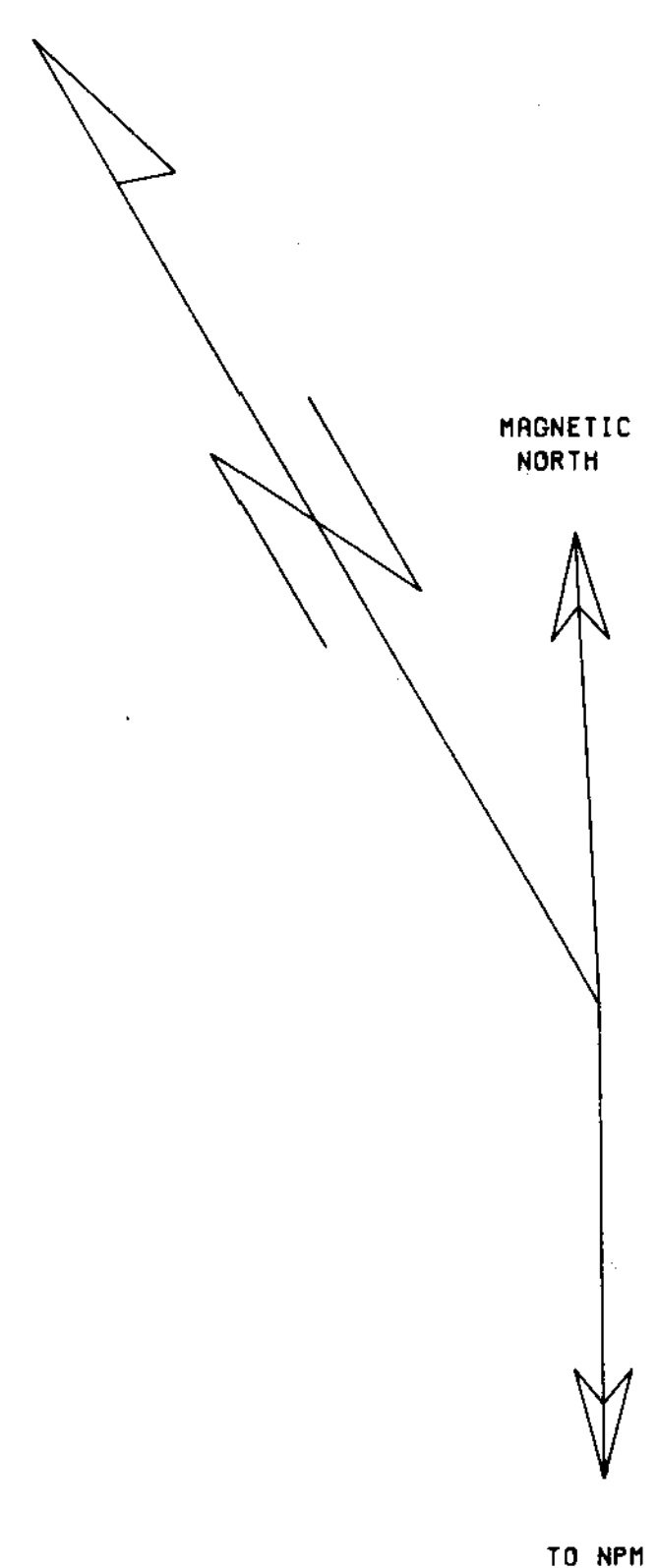
PROFILE SCALE: 1 CM = 20 % (POSITIVE UP)

IN-PHASE - SOLID LINE
 QUADRATURE - DASHED LINE

ALL READINGS FACING APPROXIMATELY
 GRID WEST

INSTRUMENTATION:

RECEIVER:	TRANSMITTER:
GEONICS LTD.	NPM - 23.4 KHZ
MODEL EM 16	LUALUALAI, HAWAII
S/N: 3347	



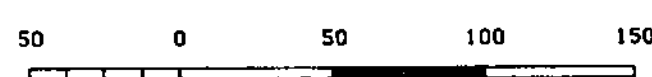
**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

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PASS LAKE RESOURCES LTD.
 VLF EM SURVEY - NPM PROFILES
 IN-PHASE / QUADRATURE
 TREK CLAIMS
 SPHALER CREEK AREA, LIARD M.D., B.C.

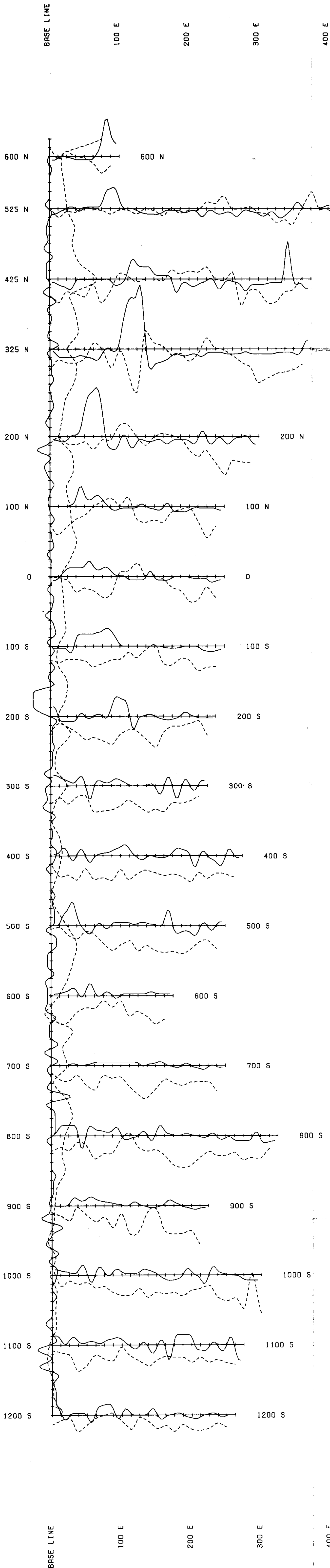
N.T.S.: 104 G/3

SCALE: 1:2500



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PLATE 2A



LEGEND

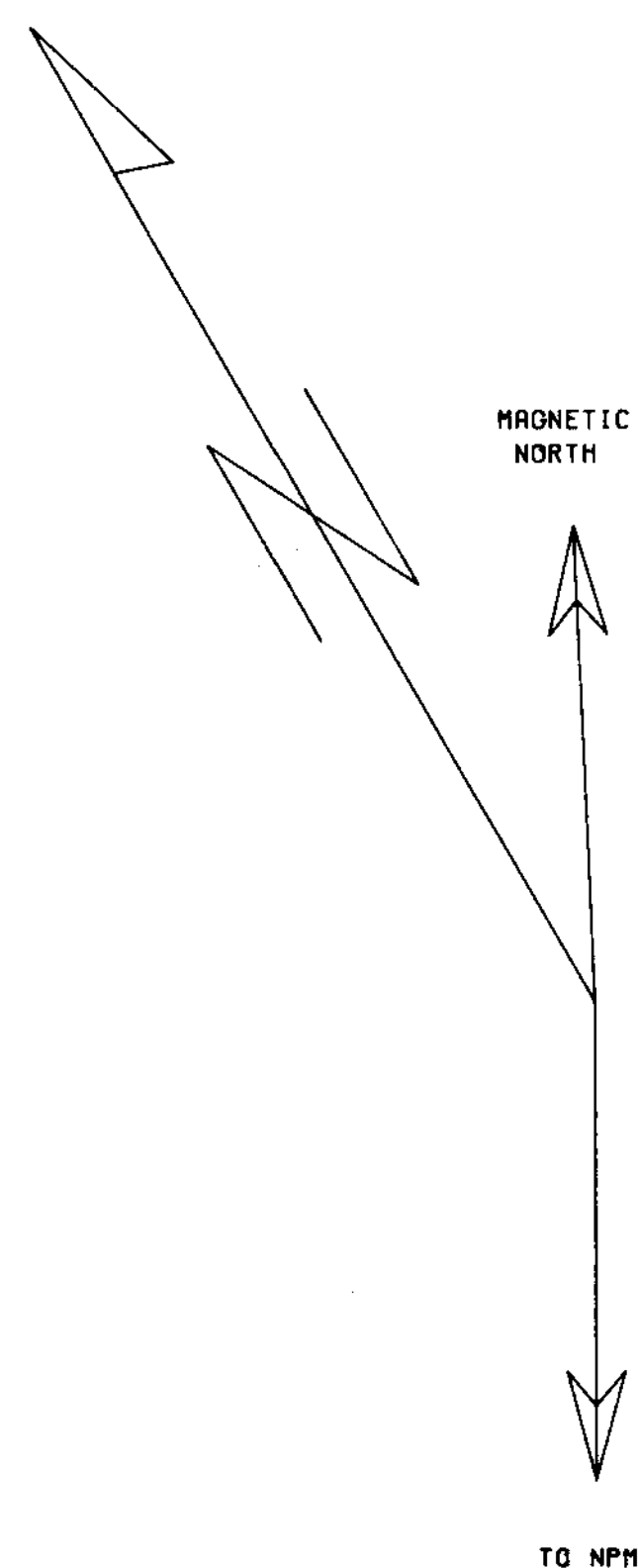
FRASER FILTERED IN-PHASE - SOLID LINE
 PROFILE SCALE: 1 CM = 10 %
 % SLOPE (BACKSIGHT) - DASHED LINE
 PROFILE SCALE: 1 CM = 50 %

ALL READINGS FACING APPROXIMATELY
 GRID WEST
 IN-PHASE FILTERED EAST TO WEST

INSTRUMENTATION:

RECEIVER:
 GEONICS LTD.
 MODEL EM 16
 S/N: 3347

TRANSMITTER:
 NPM - 23.4 KHZ
 LUALUALAI, HAWAII



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PASS LAKE RESOURCES LTD.
 VLF EM SURVEY - NPM PROFILES
 FRASER FILTERED IN-PHASE / % SLOPE
 TREK CLAIMS

SPHALER CREEK AREA, LIARD M.D., B.C.

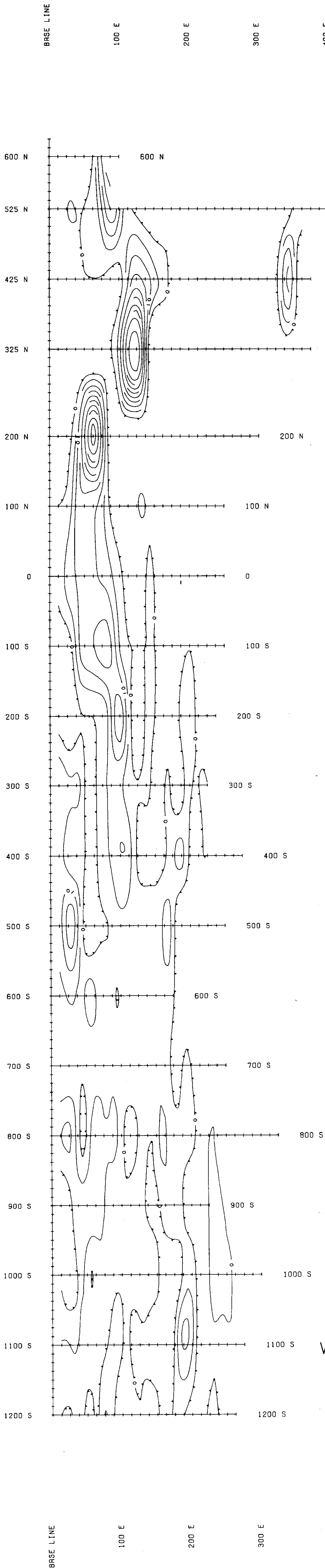
N.T.S: 104 G/3

SCALE: 1:2500



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PLATE 2B



LEGEND

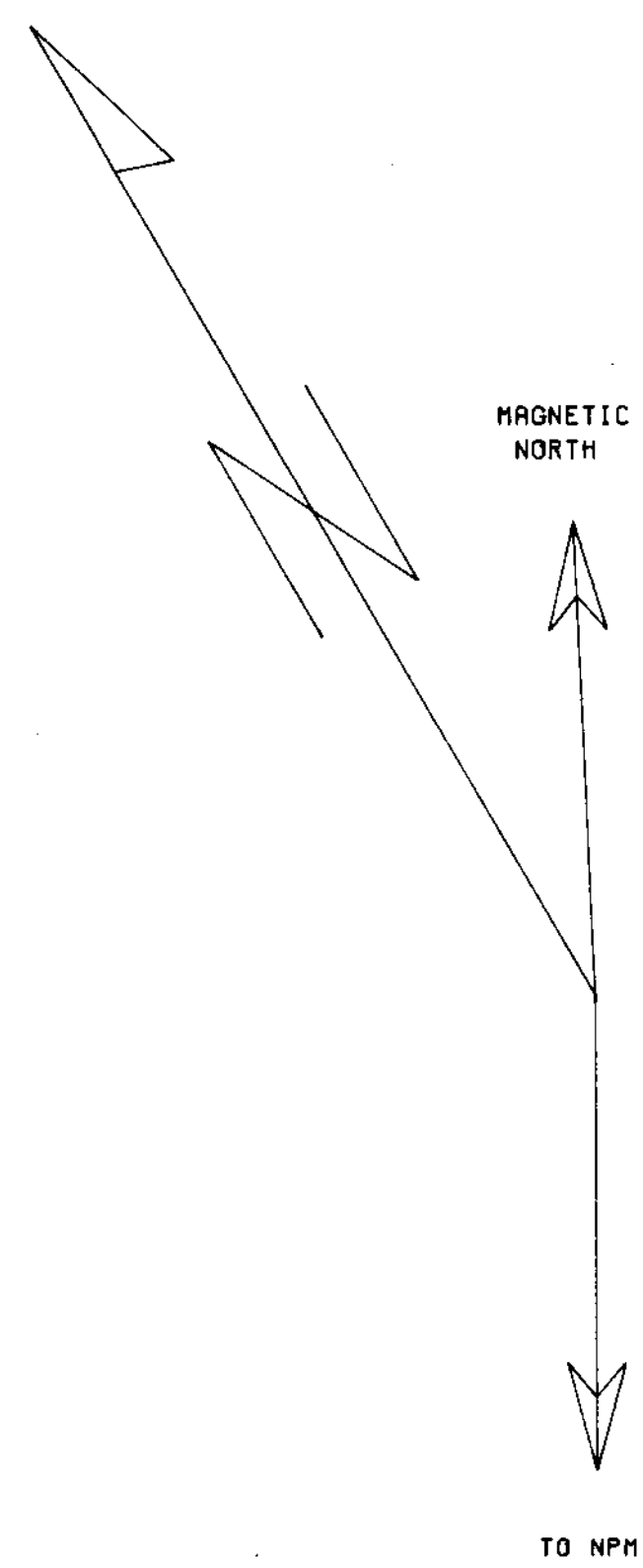
CONTOUR INTERVAL: 5% POSTED 10%
 POSITIVE FILTERED VALUES
 CONTOURED ONLY

IN-PHASE FILTERED EAST TO WEST
 ALL READINGS FACING APPROXIMATELY
 GRID WEST

INSTRUMENTATION:

RECEIVER:
 GEONICS LTD.
 MODEL EM 16
 S/N: 3347

TRANSMITTER:
 NPM - 23.4 KHZ
 LUALUALAI, HAWAII



**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

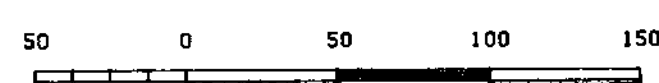
18,115

PASS LAKE RESOURCES LTD.
 VLF EM SURVEY - NPM CONTOURS
 FRASER FILTERED IN-PHASE
 TREK CLAIMS

SPHALER CREEK AREA, LIARD M.D., B.C.

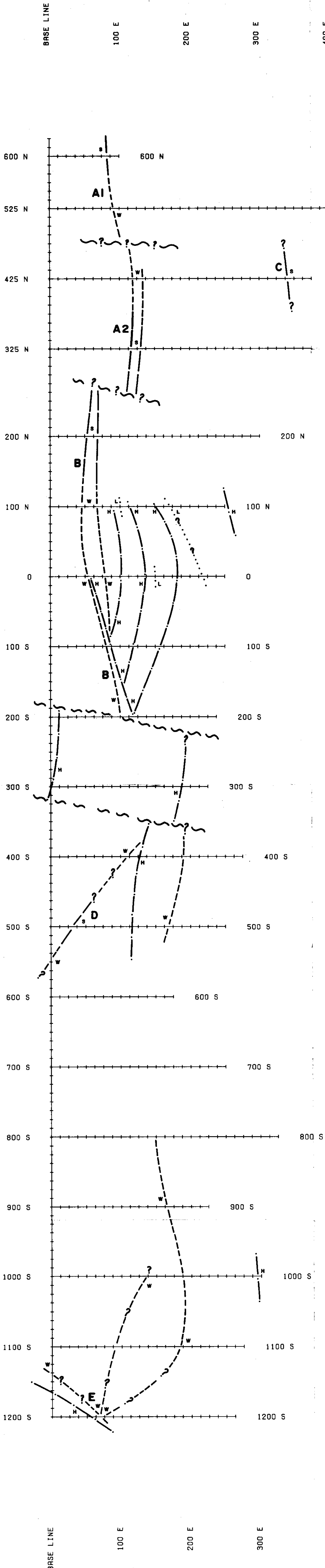
N.T.S: 104 G/3

SCALE: 1:2500

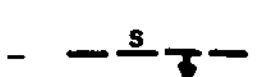

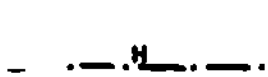
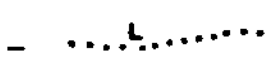


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PLATE 2C



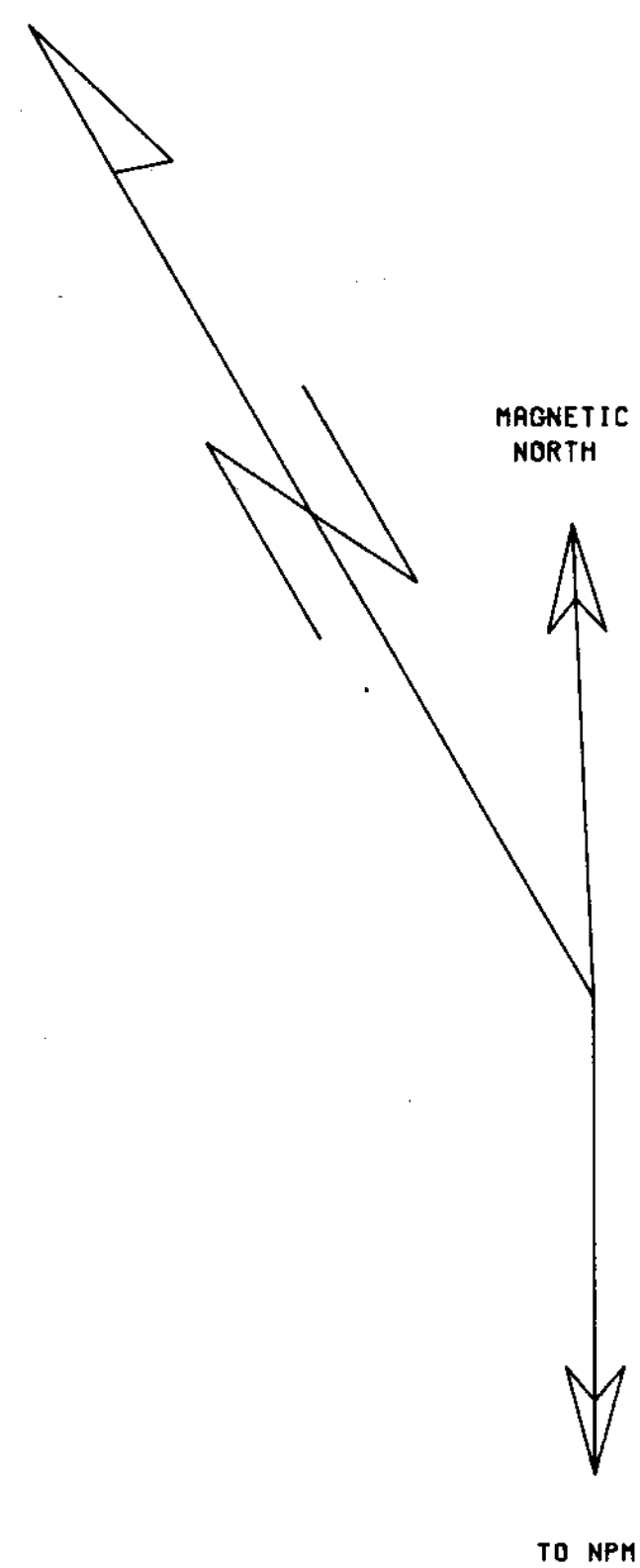
LEGEND

VLF EM CONDUCTORS:
 (SHOWING DIRECTION OF DIP)
 STRONG CONDUCTOR AXIS 
 WEAK CONDUCTOR AXIS 
 MAGNETIC ANOMALY AXIS:
 HIGH 
 LOW 

INSTRUMENTATION:

RECEIVER: GEONICS LTD. MODEL EM 16 S/N: 3347
 TRANSMITTER: NPM - 23.4 KHZ LUALUALAI, HAWAII

GEM SYSTEMS LTD. MODEL GSM B PROTON PRECESSION MAGNETOMETER S/N: 83431



**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

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PASS LAKE RESOURCES LTD.

COMPILATION

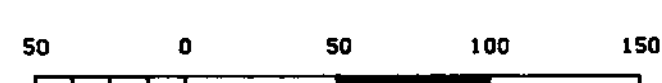
MAP

TREK CLAIMS

SPHALER CREEK AREA, LIARD M.D., B.C.

N.T.S: 104 G/3

SCALE: 1:2500



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PLATE 3